



BARGE "KIRBY 27728"

ULLAGE TRIM TABLE
FORMERLY "CTCO 325"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-2/8	00-2/8	- 00-2/8	00-2/8	- 00-3/8	00-3/8
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-2/8	00-2/8	- 00-2/8	00-2/8	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4
3 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

April 11, 2024

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27728"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-9-3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,942.66	0	4,615.07	0	4,266.72	0	3,901.91	0	3,535.93	0	3,169.41	0	2,802.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,935.81	1/4	4,608.01	1/4	4,259.22	1/4	3,894.28	1/4	3,528.30	1/4	3,161.78	1/4	2,795.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,928.96	1/2	4,600.95	1/2	4,251.72	1/2	3,886.66	1/2	3,520.67	1/2	3,154.14	1/2	2,787.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,922.11	3/4	4,593.89	3/4	4,244.22	3/4	3,879.03	3/4	3,513.04	3/4	3,146.51	3/4	2,779.87
1		1		1		1	4,915.26	1	4,586.83	1	4,236.72	1	3,871.41	1	3,505.40	1	3,138.87	1	2,772.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,908.63	1/4	4,579.74	1/4	4,229.18	1/4	3,863.78	1/4	3,497.77	1/4	3,131.23	1/4	2,764.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,901.99	1/2	4,572.65	1/2	4,221.64	1/2	3,856.16	1/2	3,490.13	1/2	3,123.60	1/2	2,756.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,895.36	3/4	4,565.56	3/4	4,214.11	3/4	3,848.54	3/4	3,482.49	3/4	3,115.96	3/4	2,749.31
2		2		2		2	4,888.72	2	4,558.46	2	4,206.57	2	3,840.91	2	3,474.86	2	3,108.33	2	2,741.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,882.05	1/4	4,551.34	1/4	4,199.00	1/4	3,833.29	1/4	3,467.22	1/4	3,100.69	1/4	2,734.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,875.39	1/2	4,544.21	1/2	4,191.43	1/2	3,825.66	1/2	3,459.59	1/2	3,093.05	1/2	2,726.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,868.72	3/4	4,537.08	3/4	4,183.86	3/4	3,818.04	3/4	3,451.95	3/4	3,085.42	3/4	2,718.75
3		3		3		3	4,862.05	3	4,529.96	3	4,176.29	3	3,810.41	3	3,444.31	3	3,077.78	3	2,711.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,855.35	1/4	4,522.79	1/4	4,168.69	1/4	3,802.79	1/4	3,436.68	1/4	3,070.14	1/4	2,703.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,848.64	1/2	4,515.63	1/2	4,161.09	1/2	3,795.16	1/2	3,429.04	1/2	3,062.51	1/2	2,695.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,841.94	3/4	4,508.47	3/4	4,153.48	3/4	3,787.54	3/4	3,421.41	3/4	3,054.87	3/4	2,688.19
4		4		4		4	4,835.23	4	4,501.31	4	4,145.88	4	3,779.92	4	3,413.77	4	3,047.24	4	2,680.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,828.49	1/4	4,494.12	1/4	4,138.26	1/4	3,772.29	1/4	3,406.13	1/4	3,039.60	1/4	2,672.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,821.75	1/2	4,486.93	1/2	4,130.63	1/2	3,764.67	1/2	3,398.50	1/2	3,031.96	1/2	2,665.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.01	3/4	4,479.73	3/4	4,123.01	3/4	3,757.04	3/4	3,390.86	3/4	3,024.33	3/4	2,657.63
5		5		5		5	4,808.26	5	4,472.54	5	4,115.39	5	3,749.42	5	3,383.22	5	3,016.69	5	2,649.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,801.49	1/4	4,465.31	1/4	4,107.76	1/4	3,741.79	1/4	3,375.59	1/4	3,009.06	1/4	2,642.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,794.71	1/2	4,458.08	1/2	4,100.14	1/2	3,734.17	1/2	3,367.95	1/2	3,001.42	1/2	2,634.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,787.94	3/4	4,450.85	3/4	4,092.52	3/4	3,726.54	3/4	3,360.32	3/4	2,993.78	3/4	2,627.07
6		6		6		6	4,781.16	6	4,443.63	6	4,084.89	6	3,718.92	6	3,352.68	6	2,986.15	6	2,619.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,774.35	1/4	4,436.36	1/4	4,077.27	1/4	3,711.30	1/4	3,345.04	1/4	2,978.51	1/4	2,611.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,767.55	1/2	4,429.09	1/2	4,069.64	1/2	3,703.67	1/2	3,337.41	1/2	2,970.87	1/2	2,604.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,760.74	3/4	4,421.82	3/4	4,062.02	3/4	3,696.05	3/4	3,329.77	3/4	2,963.24	3/4	2,596.51
7		7		7	5,088.68	7	4,753.93	7	4,414.55	7	4,054.39	7	3,688.42	7	3,322.14	7	2,955.60	7	2,588.87
1/4	1/4	1/4	1/4	1/4	5,082.25	1/4	4,747.08	1/4	4,407.23	1/4	4,046.77	1/4	3,680.80	1/4	3,314.50	1/4	2,947.96	1/4	2,581.23
1/2	1/2	1/2	1/2	1/2	5,075.83	1/2	4,740.24	1/2	4,399.91	1/2	4,039.15	1/2	3,673.17	1/2	3,306.86	1/2	2,940.32	1/2	2,573.59
3/4	3/4	3/4	3/4	3/4	5,069.40	3/4	4,733.40	3/4	4,392.59	3/4	4,031.52	3/4	3,665.55	3/4	3,299.23	3/4	2,932.68	3/4	2,565.95
8		8		8	5,062.98	8	4,726.56	8	4,385.27	8	4,023.90	8	3,657.93	8	3,291.59	8	2,925.04	8	2,558.31
1/4	1/4	1/4	1/4	1/4	5,055.60	1/4	4,719.65	1/4	4,377.91	1/4	4,016.27	1/4	3,650.30	1/4	3,283.96	1/4	2,917.40	1/4	2,550.67
1/2	1/2	1/2	1/2	1/2	5,048.22	1/2	4,712.75	1/2	4,370.55	1/2	4,008.65	1/2	3,642.68	1/2	3,276.32	1/2	2,909.76	1/2	2,543.03
3/4	3/4	3/4	3/4	3/4	5,040.84	3/4	4,705.84	3/4	4,363.20	3/4	4,001.02	3/4	3,635.05	3/4	3,268.68	3/4	2,902.12	3/4	2,535.39
9		9		9	5,033.47	9	4,698.93	9	4,355.84	9	3,993.40	9	3,627.43	9	3,261.05	9	2,894.48	9	2,527.75
1/4	1/4	1/4	1/4	1/4	5,025.90	1/4	4,691.98	1/4	4,348.44	1/4	3,985.77	1/4	3,619.80	1/4	3,253.41	1/4	2,886.84	1/4	2,520.11
1/2	1/2	1/2	1/2	1/2	5,018.33	1/2	4,685.03	1/2	4,341.05	1/2	3,978.15	1/2	3,612.18	1/2	3,245.77	1/2	2,879.20	1/2	2,512.47
3/4	3/4	3/4	3/4	3/4	5,010.76	3/4	4,678.08	3/4	4,333.66	3/4	3,970.53	3/4	3,604.55	3/4	3,238.14	3/4	2,871.56	3/4	2,504.83
10		10		10	5,003.20	10	4,671.13	10	4,326.26	10	3,962.90	10	3,596.93	10	3,230.50	10	2,863.92	10	2,497.19
1/4	1/4	1/4	1/4	1/4	4,995.63	1/4	4,664.14	1/4	4,318.84	1/4	3,955.28	1/4	3,589.31	1/4	3,222.87	1/4	2,856.28	1/4	2,489.55
1/2	1/2	1/2	1/2	1/2	4,988.06	1/2	4,657.15	1/2	4,311.41	1/2	3,947.65	1/2	3,581.68	1/2	3,215.23	1/2	2,848.64	1/2	2,481.91
3/4	3/4	3/4	3/4	3/4	4,980.50	3/4	4,650.16	3/4	4,303.99	3/4	3,940.03	3/4	3,574.06	3/4	3,207.59	3/4	2,841.00	3/4	2,474.27
11		11		11	4,972.93	11	4,643.17	11	4,296.56	11	3,932.40	11	3,566.43	11	3,199.96	11	2,833.36	11	2,466.63
1/4	1/4	1/4	1/4	1/4	4,965.36	1/4	4,636.15	1/4	4,289.10	1/4	3,924.78	1/4	3,558.81	1/4	3,192.32	1/4	2,825.72	1/4	2,458.99
1/2	1/2	1/2	1/2	1/2	4,957.80	1/2	4,629.12	1/2	4,281.64	1/2	3,917.15	1/2	3,551.18	1/2	3,184.69	1/2	2,818.08	1/2	2,451.35
3/4	3/4	3/4	3/4	3/4	4,950.23	3/4	4,622.10	3/4	4,274.18	3/4	3,909.53	3/4	3,543.56	3/4	3,177.05	3/4	2,810.43	3/4	2,443.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 27728"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-9-3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,436.07	0	2,069.34	0	1,708.76	0	1,341.96	0	976.11	0	610.59	0	261.22	0		0			
1/4	2,428.42	1/4	2,061.70	1/4	1,701.12	1/4	1,334.32	1/4	968.52	1/4	602.95	1/4	254.49	1/4		1/4		1/4	
1/2	2,420.78	1/2	2,054.06	1/2	1,693.48	1/2	1,326.68	1/2	960.93	1/2	595.31	1/2	247.76	1/2		1/2		1/2	
3/4	2,413.14	3/4	2,046.42	3/4	1,685.84	3/4	1,319.04	3/4	953.34	3/4	587.67	3/4	241.03	3/4		3/4		3/4	
1	2,405.50	1	2,038.77	1	1,678.19	1	1,311.40	1	945.75	1	580.03	1	234.30	1		1		1	
1/4	2,397.86	1/4	2,031.68	1/4	1,670.55	1/4	1,303.76	1/4	938.16	1/4	572.40	1/4	227.66	1/4		1/4		1/4	
1/2	2,390.22	1/2	2,024.58	1/2	1,662.91	1/2	1,296.11	1/2	930.57	1/2	564.76	1/2	221.01	1/2		1/2		1/2	
3/4	2,382.58	3/4	2,017.48	3/4	1,655.27	3/4	1,288.47	3/4	922.98	3/4	557.13	3/4	214.37	3/4		3/4		3/4	
2	2,374.94	2	2,010.38	2	1,647.63	2	1,280.83	2	915.39	2	549.50	2	207.72	2		2		2	
1/4	2,367.30	1/4	2,003.46	1/4	1,639.99	1/4	1,273.19	1/4	907.80	1/4	541.91	1/4	201.17	1/4		1/4		1/4	
1/2	2,359.66	1/2	1,996.54	1/2	1,632.34	1/2	1,265.55	1/2	900.20	1/2	534.32	1/2	194.61	1/2		1/2		1/2	
3/4	2,352.02	3/4	1,989.62	3/4	1,624.70	3/4	1,257.91	3/4	892.61	3/4	526.73	3/4	188.05	3/4		3/4		3/4	
3	2,344.38	3	1,982.71	3	1,617.06	3	1,250.26	3	885.02	3	519.14	3	181.50	3		3		3	
1/4	2,336.74	1/4	1,975.27	1/4	1,609.42	1/4	1,242.62	1/4	877.43	1/4	511.62	1/4	175.03	1/4		1/4		1/4	
1/2	2,329.10	1/2	1,967.84	1/2	1,601.78	1/2	1,234.98	1/2	869.84	1/2	504.11	1/2	168.56	1/2		1/2		1/2	
3/4	2,321.46	3/4	1,960.40	3/4	1,594.14	3/4	1,227.34	3/4	862.25	3/4	496.60	3/4	162.09	3/4		3/4		3/4	
4	2,313.82	4	1,952.97	4	1,586.49	4	1,219.70	4	854.66	4	489.09	4	155.62	4		4		4	
1/4	2,306.18	1/4	1,945.36	1/4	1,578.85	1/4	1,212.06	1/4	847.07	1/4	481.67	1/4	149.24	1/4		1/4		1/4	
1/2	2,298.54	1/2	1,937.76	1/2	1,571.21	1/2	1,204.41	1/2	839.48	1/2	474.24	1/2	142.86	1/2		1/2		1/2	
3/4	2,290.90	3/4	1,930.15	3/4	1,563.57	3/4	1,196.77	3/4	831.89	3/4	466.82	3/4	136.48	3/4		3/4		3/4	
5	2,283.26	5	1,922.55	5	1,555.93	5	1,189.13	5	824.30	5	459.39	5	130.10	5		5		5	
1/4	2,275.62	1/4	1,914.94	1/4	1,548.29	1/4	1,181.49	1/4	816.71	1/4	452.06	1/4	123.81	1/4		1/4		1/4	
1/2	2,267.98	1/2	1,907.33	1/2	1,540.65	1/2	1,173.85	1/2	809.12	1/2	444.72	1/2	117.53	1/2		1/2		1/2	
3/4	2,260.34	3/4	1,899.73	3/4	1,533.00	3/4	1,166.21	3/4	801.53	3/4	437.38	3/4	111.24	3/4		3/4		3/4	
6	2,252.70	6	1,892.12	6	1,525.36	6	1,158.57	6	793.94	6	430.04	6	104.96	6		6		6	
1/4	2,245.06	1/4	1,884.49	1/4	1,517.72	1/4	1,150.95	1/4	786.31	1/4	422.79	1/4	98.77	1/4		1/4		1/4	
1/2	2,237.42	1/2	1,876.86	1/2	1,510.08	1/2	1,143.33	1/2	778.68	1/2	415.54	1/2	92.58	1/2		1/2		1/2	
3/4	2,229.78	3/4	1,869.22	3/4	1,502.44	3/4	1,135.71	3/4	771.05	3/4	408.29	3/4	86.39	3/4		3/4		3/4	
7	2,222.14	7	1,861.59	7	1,494.80	7	1,128.09	7	763.42	7	401.04	7	80.20	7		7		7	
1/4	2,214.50	1/4	1,853.95	1/4	1,487.15	1/4	1,120.48	1/4	755.78	1/4	393.87	1/4	74.11	1/4		1/4		1/4	
1/2	2,206.86	1/2	1,846.31	1/2	1,479.51	1/2	1,112.86	1/2	748.14	1/2	386.71	1/2	68.03	1/2		1/2		1/2	
3/4	2,199.22	3/4	1,838.67	3/4	1,471.87	3/4	1,105.25	3/4	740.50	3/4	379.55	3/4	61.95	3/4		3/4		3/4	
8	2,191.58	8	1,831.03	8	1,464.23	8	1,097.64	8	732.86	8	372.38	8	55.87	8		8		8	
1/4	2,183.94	1/4	1,823.38	1/4	1,456.59	1/4	1,090.04	1/4	725.22	1/4	365.30	1/4	50.57	1/4		1/4		1/4	
1/2	2,176.30	1/2	1,815.74	1/2	1,448.95	1/2	1,082.44	1/2	717.57	1/2	358.23	1/2	45.27	1/2		1/2		1/2	
3/4	2,168.66	3/4	1,808.10	3/4	1,441.30	3/4	1,074.84	3/4	709.93	3/4	351.15	3/4	39.97	3/4		3/4		3/4	
9	2,161.02	9	1,800.46	9	1,433.66	9	1,067.23	9	702.29	9	344.07	9	34.67	9		9		9	
1/4	2,153.38	1/4	1,792.82	1/4	1,426.02	1/4	1,059.64	1/4	694.65	1/4	337.08	1/4	30.79	1/4		1/4		1/4	
1/2	2,145.74	1/2	1,785.18	1/2	1,418.38	1/2	1,052.04	1/2	687.01	1/2	330.09	1/2	26.90	1/2		1/2		1/2	
3/4	2,138.10	3/4	1,777.53	3/4	1,410.74	3/4	1,044.44	3/4	679.37	3/4	323.10	3/4	23.01	3/4		3/4		3/4	
10	2,130.46	10	1,769.89	10	1,403.10	10	1,036.84	10	671.73	10	316.11	10		10		10		10	
1/4	2,122.82	1/4	1,762.25	1/4	1,395.45	1/4	1,029.25	1/4	664.08	1/4	309.20	1/4		1/4		1/4		1/4	
1/2	2,115.18	1/2	1,754.61	1/2	1,387.81	1/2	1,021.66	1/2	656.44	1/2	302.30	1/2		1/2		1/2		1/2	
3/4	2,107.54	3/4	1,746.97	3/4	1,380.17	3/4	1,014.07	3/4	648.80	3/4	295.40	3/4		3/4		3/4		3/4	
11	2,099.90	11	1,739.33	11	1,372.53	11	1,006.47	11	641.16	11	288.49	11		11		11		11	
1/4	2,092.26	1/4	1,731.69	1/4	1,364.89	1/4	998.88	1/4	633.52	1/4	281.67	1/4		1/4		1/4		1/4	
1/2	2,084.62	1/2	1,724.04	1/2	1,357.25	1/2	991.29	1/2	625.88	1/2	274.86	1/2		1/2		1/2		1/2	
3/4	2,076.98	3/4	1,716.40	3/4	1,349.61	3/4	983.70	3/4	618.24	3/4	268.04	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 SW
RECALCULATED: 04/23/2019 SW
VERIFIED: 04/11/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 27728"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,941.89	0	4,614.07	0	4,266.48	0	3,902.19	0	3,536.57	0	3,170.95	0	2,805.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,934.33	1/4	4,607.05	1/4	4,259.03	1/4	3,894.58	1/4	3,528.95	1/4	3,163.33	1/4	2,797.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,927.48	1/2	4,600.00	1/2	4,251.54	1/2	3,886.96	1/2	3,521.34	1/2	3,155.72	1/2	2,790.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,920.64	3/4	4,592.94	3/4	4,244.04	3/4	3,879.34	3/4	3,513.72	3/4	3,148.10	3/4	2,782.38
1	1	1	1	1	1	1	4,913.80	1	4,585.89	1	4,236.55	1	3,871.72	1	3,506.10	1	3,140.48	1	2,774.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,906.95	1/4	4,578.84	1/4	4,229.06	1/4	3,864.11	1/4	3,498.49	1/4	3,132.87	1/4	2,767.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,900.32	1/2	4,571.75	1/2	4,221.53	1/2	3,856.49	1/2	3,490.87	1/2	3,125.25	1/2	2,759.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,893.69	3/4	4,564.67	3/4	4,214.00	3/4	3,848.87	3/4	3,483.25	3/4	3,117.63	3/4	2,751.89
2	2	2	2	2	2	2	4,887.06	2	4,557.58	2	4,206.47	2	3,841.26	2	3,475.64	2	3,110.01	2	2,744.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,880.43	1/4	4,550.49	1/4	4,198.94	1/4	3,833.64	1/4	3,468.02	1/4	3,102.40	1/4	2,736.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,873.77	1/2	4,543.37	1/2	4,191.38	1/2	3,826.02	1/2	3,460.40	1/2	3,094.78	1/2	2,729.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,867.11	3/4	4,536.25	3/4	4,183.82	3/4	3,818.40	3/4	3,452.78	3/4	3,087.16	3/4	2,721.41
3	3	3	3	3	3	3	4,860.45	3	4,529.13	3	4,176.25	3	3,810.79	3	3,445.17	3	3,079.55	3	2,713.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,853.79	1/4	4,522.01	1/4	4,168.69	1/4	3,803.17	1/4	3,437.55	1/4	3,071.93	1/4	2,706.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,847.09	1/2	4,514.86	1/2	4,161.10	1/2	3,795.55	1/2	3,429.93	1/2	3,064.31	1/2	2,698.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,840.40	3/4	4,507.71	3/4	4,153.50	3/4	3,787.94	3/4	3,422.32	3/4	3,056.69	3/4	2,690.93
4	4	4	4	4	4	4	4,833.70	4	4,500.55	4	4,145.90	4	3,780.32	4	3,414.70	4	3,049.08	4	2,683.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,827.00	1/4	4,493.40	1/4	4,138.31	1/4	3,772.70	1/4	3,407.08	1/4	3,041.46	1/4	2,675.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,820.26	1/2	4,486.21	1/2	4,130.69	1/2	3,765.08	1/2	3,399.46	1/2	3,033.84	1/2	2,668.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,813.53	3/4	4,479.03	3/4	4,123.08	3/4	3,757.47	3/4	3,391.85	3/4	3,026.23	3/4	2,660.44
5	5	5	5	5	5	5	4,806.79	5	4,471.84	5	4,115.47	5	3,749.85	5	3,384.23	5	3,018.61	5	2,652.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,800.06	1/4	4,464.65	1/4	4,107.85	1/4	3,742.23	1/4	3,376.61	1/4	3,010.99	1/4	2,645.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.29	1/2	4,457.43	1/2	4,100.24	1/2	3,734.62	1/2	3,369.00	1/2	3,003.37	1/2	2,637.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.52	3/4	4,450.21	3/4	4,092.62	3/4	3,727.00	3/4	3,361.38	3/4	2,995.76	3/4	2,629.96
6	6	6	6	6	6	6	4,779.75	6	4,442.99	6	4,085.00	6	3,719.38	6	3,353.76	6	2,988.14	6	2,622.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,772.98	1/4	4,435.77	1/4	4,077.39	1/4	3,711.77	1/4	3,346.14	1/4	2,980.52	1/4	2,614.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,766.18	1/2	4,428.51	1/2	4,069.77	1/2	3,704.15	1/2	3,338.53	1/2	2,972.90	1/2	2,607.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,759.38	3/4	4,421.24	3/4	4,062.15	3/4	3,696.53	3/4	3,330.91	3/4	2,965.28	3/4	2,599.47
7	7	7	7	7	7	7	4,752.57	7	4,413.98	7	4,054.53	7	3,688.91	7	3,323.29	7	2,957.66	7	2,591.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,080.19	1/4	4,745.77	1/4	4,406.72	1/4	4,046.92	1/4	3,681.30	1/4	3,315.68	1/4	2,950.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,073.77	1/2	4,738.94	1/2	4,399.41	1/2	4,039.30	1/2	3,673.68	1/2	3,308.06	1/2	2,942.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,067.36	3/4	4,732.10	3/4	4,392.10	3/4	4,031.68	3/4	3,666.06	3/4	3,300.44	3/4	2,934.80
8	8	8	8	8	8	8	5,060.94	8	4,725.26	8	4,384.78	8	4,024.07	8	3,658.45	8	3,292.82	8	2,927.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,054.52	1/4	4,718.43	1/4	4,377.47	1/4	4,016.45	1/4	3,650.83	1/4	3,285.21	1/4	2,919.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,047.15	1/2	4,711.53	1/2	4,370.12	1/2	4,008.83	1/2	3,643.21	1/2	3,277.59	1/2	2,911.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,039.78	3/4	4,704.63	3/4	4,362.77	3/4	4,001.22	3/4	3,635.59	3/4	3,269.97	3/4	2,904.32
9	9	9	9	9	9	9	5,032.41	9	4,697.73	9	4,355.41	9	3,993.60	9	3,627.98	9	3,262.36	9	2,896.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,025.04	1/4	4,690.83	1/4	4,348.06	1/4	3,985.98	1/4	3,620.36	1/4	3,254.74	1/4	2,889.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,017.48	1/2	4,683.89	1/2	4,340.68	1/2	3,978.36	1/2	3,612.74	1/2	3,247.12	1/2	2,881.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,009.92	3/4	4,676.94	3/4	4,333.29	3/4	3,970.75	3/4	3,605.13	3/4	3,239.51	3/4	2,873.83
10	10	10	10	10	10	10	5,002.36	10	4,670.00	10	4,325.90	10	3,963.13	10	3,597.51	10	3,231.89	10	2,866.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,994.80	1/4	4,663.06	1/4	4,318.52	1/4	3,955.51	1/4	3,589.89	1/4	3,224.27	1/4	2,858.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,987.24	1/2	4,656.07	1/2	4,311.10	1/2	3,947.90	1/2	3,582.27	1/2	3,216.65	1/2	2,850.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,979.68	3/4	4,649.09	3/4	4,303.68	3/4	3,940.28	3/4	3,574.66	3/4	3,209.04	3/4	2,843.35
11	11	11	11	11	11	11	4,972.12	11	4,642.11	11	4,296.26	11	3,932.66	11	3,567.04	11	3,201.42	11	2,835.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,964.56	1/4	4,635.12	1/4	4,288.84	1/4	3,925.04	1/4	3,559.42	1/4	3,193.80	1/4	2,828.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,957.00	1/2	4,628.11	1/2	4,281.39	1/2	3,917.43	1/2	3,551.81	1/2	3,186.19	1/2	2,820.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,949.45	3/4	4,621.09	3/4	4,273.94	3/4	3,909.81	3/4	3,544.19	3/4	3,178.57	3/4	2,812.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 27728"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,439.43	0	2,073.62	0	1,713.95	0	1,348.07	0	982.32	0	616.80	0	267.56	0		0			
1/4	2,431.81	1/4	2,066.00	1/4	1,706.33	1/4	1,340.44	1/4	974.71	1/4	609.18	1/4	260.76	1/4		1/4		1/4	
1/2	2,424.19	1/2	2,058.37	1/2	1,698.71	1/2	1,332.82	1/2	967.10	1/2	601.56	1/2	254.05	1/2		1/2		1/2	
3/4	2,416.57	3/4	2,050.75	3/4	1,691.08	3/4	1,325.20	3/4	959.49	3/4	593.94	3/4	247.33	3/4		3/4		3/4	
1	2,408.94	1	2,043.13	1	1,683.46	1	1,317.58	1	951.88	1	586.31	1	240.62	1		1		1	
1/4	2,401.32	1/4	2,035.51	1/4	1,675.84	1/4	1,309.95	1/4	944.28	1/4	578.69	1/4	233.91	1/4		1/4		1/4	
1/2	2,393.70	1/2	2,028.43	1/2	1,668.22	1/2	1,302.33	1/2	936.67	1/2	571.08	1/2	227.28	1/2		1/2		1/2	
3/4	2,386.08	3/4	2,021.35	3/4	1,660.59	3/4	1,294.71	3/4	929.06	3/4	563.47	3/4	220.66	3/4		3/4		3/4	
2	2,378.46	2	2,014.27	2	1,652.97	2	1,287.09	2	921.45	2	555.86	2	214.03	2		2		2	
1/4	2,370.84	1/4	2,007.19	1/4	1,645.35	1/4	1,279.46	1/4	913.84	1/4	548.26	1/4	207.40	1/4		1/4		1/4	
1/2	2,363.22	1/2	2,000.29	1/2	1,637.73	1/2	1,271.84	1/2	906.23	1/2	540.69	1/2	200.87	1/2		1/2		1/2	
3/4	2,355.60	3/4	1,993.39	3/4	1,630.10	3/4	1,264.22	3/4	898.62	3/4	533.13	3/4	194.33	3/4		3/4		3/4	
3	2,347.98	3	1,986.49	3	1,622.48	3	1,256.60	3	891.01	3	525.57	3	187.79	3		3		3	
1/4	2,340.35	1/4	1,979.59	1/4	1,614.86	1/4	1,248.97	1/4	883.41	1/4	518.00	1/4	181.25	1/4		1/4		1/4	
1/2	2,332.73	1/2	1,972.17	1/2	1,607.24	1/2	1,241.35	1/2	875.80	1/2	510.51	1/2	174.79	1/2		1/2		1/2	
3/4	2,325.11	3/4	1,964.76	3/4	1,599.61	3/4	1,233.73	3/4	868.19	3/4	503.02	3/4	168.34	3/4		3/4		3/4	
4	2,317.49	4	1,957.34	4	1,591.99	4	1,226.11	4	860.58	4	495.53	4	161.89	4		4		4	
1/4	2,309.87	1/4	1,949.93	1/4	1,584.37	1/4	1,218.48	1/4	852.97	1/4	488.04	1/4	155.44	1/4		1/4		1/4	
1/2	2,302.25	1/2	1,942.34	1/2	1,576.75	1/2	1,210.86	1/2	845.36	1/2	480.63	1/2	149.07	1/2		1/2		1/2	
3/4	2,294.63	3/4	1,934.75	3/4	1,569.12	3/4	1,203.24	3/4	837.75	3/4	473.23	3/4	142.70	3/4		3/4		3/4	
5	2,287.01	5	1,927.17	5	1,561.50	5	1,195.62	5	830.15	5	465.82	5	136.34	5		5		5	
1/4	2,279.39	1/4	1,919.58	1/4	1,553.88	1/4	1,187.99	1/4	822.54	1/4	458.42	1/4	129.97	1/4		1/4		1/4	
1/2	2,271.76	1/2	1,911.99	1/2	1,546.25	1/2	1,180.37	1/2	814.93	1/2	451.10	1/2	123.69	1/2		1/2		1/2	
3/4	2,264.14	3/4	1,904.41	3/4	1,538.63	3/4	1,172.75	3/4	807.32	3/4	443.78	3/4	117.42	3/4		3/4		3/4	
6	2,256.52	6	1,896.82	6	1,531.01	6	1,165.12	6	799.71	6	436.46	6	111.14	6		6		6	
1/4	2,248.90	1/4	1,889.23	1/4	1,523.39	1/4	1,157.50	1/4	792.10	1/4	429.14	1/4	104.86	1/4		1/4		1/4	
1/2	2,241.28	1/2	1,881.62	1/2	1,515.76	1/2	1,149.88	1/2	784.48	1/2	421.91	1/2	98.67	1/2		1/2		1/2	
3/4	2,233.66	3/4	1,874.01	3/4	1,508.14	3/4	1,142.26	3/4	776.86	3/4	414.68	3/4	92.49	3/4		3/4		3/4	
7	2,226.04	7	1,866.39	7	1,500.52	7	1,134.63	7	769.24	7	407.44	7	86.31	7		7		7	
1/4	2,218.42	1/4	1,858.78	1/4	1,492.90	1/4	1,127.01	1/4	761.63	1/4	400.21	1/4	80.12	1/4		1/4		1/4	
1/2	2,210.80	1/2	1,851.16	1/2	1,485.27	1/2	1,119.39	1/2	754.00	1/2	393.06	1/2	74.05	1/2		1/2		1/2	
3/4	2,203.18	3/4	1,843.54	3/4	1,477.65	3/4	1,111.77	3/4	746.38	3/4	385.92	3/4	67.97	3/4		3/4		3/4	
8	2,195.55	8	1,835.91	8	1,470.03	8	1,104.14	8	738.76	8	378.77	8	61.90	8		8		8	
1/4	2,187.93	1/4	1,828.29	1/4	1,462.41	1/4	1,096.52	1/4	731.14	1/4	371.63	1/4	55.82	1/4		1/4		1/4	
1/2	2,180.31	1/2	1,820.67	1/2	1,454.78	1/2	1,088.90	1/2	723.51	1/2	364.57	1/2	50.53	1/2		1/2		1/2	
3/4	2,172.69	3/4	1,813.05	3/4	1,447.16	3/4	1,081.29	3/4	715.89	3/4	357.51	3/4	45.23	3/4		3/4		3/4	
9	2,165.07	9	1,805.42	9	1,439.54	9	1,073.67	9	708.27	9	350.45	9	39.94	9		9		9	
1/4	2,157.45	1/4	1,797.80	1/4	1,431.92	1/4	1,066.05	1/4	700.65	1/4	343.39	1/4	34.64	1/4		1/4		1/4	
1/2	2,149.83	1/2	1,790.18	1/2	1,424.29	1/2	1,058.43	1/2	693.02	1/2	336.42	1/2	30.76	1/2		1/2		1/2	
3/4	2,142.21	3/4	1,782.56	3/4	1,416.67	3/4	1,050.82	3/4	685.40	3/4	329.44	3/4	26.88	3/4		3/4		3/4	
10	2,134.59	10	1,774.93	10	1,409.05	10	1,043.20	10	677.78	10	322.47	10	22.99	10		10		10	
1/4	2,126.96	1/4	1,767.31	1/4	1,401.43	1/4	1,035.59	1/4	670.16	1/4	315.50	1/4		1/4		1/4		1/4	
1/2	2,119.34	1/2	1,759.69	1/2	1,393.80	1/2	1,027.98	1/2	662.54	1/2	308.61	1/2		1/2		1/2		1/2	
3/4	2,111.72	3/4	1,752.06	3/4	1,386.18	3/4	1,020.37	3/4	654.91	3/4	301.73	3/4		3/4		3/4		3/4	
11	2,104.10	11	1,744.44	11	1,378.56	11	1,012.76	11	647.29	11	294.84	11		11		11		11	
1/4	2,096.48	1/4	1,736.82	1/4	1,370.93	1/4	1,005.15	1/4	639.67	1/4	287.96	1/4		1/4		1/4		1/4	
1/2	2,088.86	1/2	1,729.20	1/2	1,363.31	1/2	997.54	1/2	632.05	1/2	281.16	1/2		1/2		1/2		1/2	
3/4	2,081.24	3/4	1,721.57	3/4	1,355.69	3/4	989.93	3/4	624.42	3/4	274.36	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 SW
RECALCULATED: 04/23/2019 SW
VERIFIED: 04/11/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 27728"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,692.48	0	4,384.76	0	4,058.36	0	3,716.22	0	3,372.84	0	3,029.46	0	2,685.99		
1/4		1/4		1/4		1/4	4,685.38	1/4	4,378.16	1/4	4,051.36	1/4	3,709.07	1/4	3,365.69	1/4	3,022.30	1/4	2,678.84		
1/2		1/2		1/2		1/2	4,678.96	1/2	4,371.54	1/2	4,044.32	1/2	3,701.91	1/2	3,358.53	1/2	3,015.15	1/2	2,671.68		
3/4		3/4		3/4		3/4	4,672.53	3/4	4,364.92	3/4	4,037.28	3/4	3,694.76	3/4	3,351.38	3/4	3,008.00	3/4	2,664.52		
1		1		1		1	4,666.11	1	4,358.30	1	4,030.25	1	3,687.61	1	3,344.22	1	3,000.84	1	2,657.36		
1/4		1/4		1/4		1/4	4,659.69	1/4	4,351.68	1/4	4,023.21	1/4	3,680.45	1/4	3,337.07	1/4	2,993.69	1/4	2,650.20		
1/2		1/2		1/2		1/2	4,653.46	1/2	4,345.02	1/2	4,016.14	1/2	3,673.30	1/2	3,329.92	1/2	2,986.53	1/2	2,643.05		
3/4		3/4		3/4		3/4	4,647.24	3/4	4,338.37	3/4	4,009.07	3/4	3,666.15	3/4	3,322.76	3/4	2,979.38	3/4	2,635.89		
2		2		2		2	4,641.02	2	4,331.72	2	4,002.00	2	3,658.99	2	3,315.61	2	2,972.23	2	2,628.73		
1/4		1/4		1/4		1/4	4,634.80	1/4	4,325.06	1/4	3,994.93	1/4	3,651.84	1/4	3,308.46	1/4	2,965.07	1/4	2,621.57		
1/2		1/2		1/2		1/2	4,628.55	1/2	4,318.38	1/2	3,987.82	1/2	3,644.68	1/2	3,301.30	1/2	2,957.92	1/2	2,614.41		
3/4		3/4		3/4		3/4	4,622.29	3/4	4,311.69	3/4	3,980.72	3/4	3,637.53	3/4	3,294.15	3/4	2,950.77	3/4	2,607.26		
3		3		3		3	4,616.04	3	4,305.01	3	3,973.62	3	3,630.38	3	3,286.99	3	2,943.61	3	2,600.10		
1/4		1/4		1/4		1/4	4,609.79	1/4	4,298.32	1/4	3,966.52	1/4	3,623.22	1/4	3,279.84	1/4	2,936.46	1/4	2,592.94		
1/2		1/2		1/2		1/2	4,603.50	1/2	4,291.60	1/2	3,959.38	1/2	3,616.07	1/2	3,272.69	1/2	2,929.30	1/2	2,585.78		
3/4		3/4		3/4		3/4	4,597.22	3/4	4,284.89	3/4	3,952.25	3/4	3,608.91	3/4	3,265.53	3/4	2,922.15	3/4	2,578.62		
4		4		4		4	4,590.93	4	4,278.17	4	3,945.11	4	3,601.76	4	3,258.38	4	2,915.00	4	2,571.47		
1/4		1/4		1/4		1/4	4,584.64	1/4	4,271.45	1/4	3,937.98	1/4	3,594.61	1/4	3,251.22	1/4	2,907.84	1/4	2,564.31		
1/2		1/2		1/2		1/2	4,578.32	1/2	4,264.70	1/2	3,930.83	1/2	3,587.45	1/2	3,244.07	1/2	2,900.69	1/2	2,557.15		
3/4		3/4		3/4		3/4	4,572.00	3/4	4,257.96	3/4	3,923.68	3/4	3,580.30	3/4	3,236.92	3/4	2,893.53	3/4	2,549.99		
5		5		5		5	4,565.68	5	4,251.21	5	3,916.53	5	3,573.15	5	3,229.76	5	2,886.38	5	2,542.84		
1/4		1/4		1/4		1/4	4,559.36	1/4	4,244.46	1/4	3,909.37	1/4	3,565.99	1/4	3,222.61	1/4	2,879.23	1/4	2,535.68		
1/2		1/2		1/2		1/2	4,553.00	1/2	4,237.68	1/2	3,902.22	1/2	3,558.84	1/2	3,215.46	1/2	2,872.07	1/2	2,528.52		
3/4		3/4		3/4		3/4	4,546.65	3/4	4,230.90	3/4	3,895.07	3/4	3,551.68	3/4	3,208.30	3/4	2,864.92	3/4	2,521.36		
6		6		6		6	4,540.30	6	4,224.12	6	3,887.91	6	3,544.53	6	3,201.15	6	2,857.77	6	2,514.20		
1/4		1/4		1/4		1/4	4,533.94	1/4	4,217.34	1/4	3,880.76	1/4	3,537.38	1/4	3,193.99	1/4	2,850.61	1/4	2,507.05		
1/2		1/2		1/2		1/2	4,527.56	1/2	4,210.52	1/2	3,873.61	1/2	3,530.22	1/2	3,186.84	1/2	2,843.46	1/2	2,499.89		
3/4		3/4		3/4		3/4	4,521.17	3/4	4,203.70	3/4	3,866.45	3/4	3,523.07	3/4	3,179.69	3/4	2,836.30	3/4	2,492.73		
7		7		7		7	4,514.79	7	4,196.88	7	3,859.30	7	3,515.92	7	3,172.53	7	2,829.15	7	2,485.57		
1/4		1/4		1/4		1/4	4,822.31	1/4	4,508.41	1/4	4,190.06	1/4	3,852.14	1/4	3,508.76	1/4	3,165.38	1/4	2,821.99	1/4	2,478.41
1/2		1/2		1/2		1/2	4,816.29	1/2	4,501.99	1/2	4,183.20	1/2	3,844.99	1/2	3,501.61	1/2	3,158.23	1/2	2,814.84	1/2	2,471.26
3/4		3/4		3/4		3/4	4,810.26	3/4	4,495.57	3/4	4,176.33	3/4	3,837.84	3/4	3,494.45	3/4	3,151.07	3/4	2,807.68	3/4	2,464.10
8		8		8		8	4,804.24	8	4,489.16	8	4,169.46	8	3,830.68	8	3,487.30	8	3,143.92	8	2,800.52	8	2,456.94
1/4		1/4		1/4		1/4	4,798.21	1/4	4,482.74	1/4	4,162.59	1/4	3,823.53	1/4	3,480.15	1/4	3,136.76	1/4	2,793.36	1/4	2,449.78
1/2		1/2		1/2		1/2	4,791.29	1/2	4,476.26	1/2	4,155.69	1/2	3,816.38	1/2	3,472.99	1/2	3,129.61	1/2	2,786.20	1/2	2,442.62
3/4		3/4		3/4		3/4	4,784.38	3/4	4,469.79	3/4	4,148.78	3/4	3,809.22	3/4	3,465.84	3/4	3,122.46	3/4	2,779.05	3/4	2,435.47
9		9		9		9	4,777.46	9	4,463.31	9	4,141.88	9	3,802.07	9	3,458.69	9	3,115.30	9	2,771.89	9	2,428.31
1/4		1/4		1/4		1/4	4,770.54	1/4	4,456.83	1/4	4,134.97	1/4	3,794.91	1/4	3,451.53	1/4	3,108.15	1/4	2,764.73	1/4	2,421.15
1/2		1/2		1/2		1/2	4,763.44	1/2	4,450.31	1/2	4,128.04	1/2	3,787.76	1/2	3,444.38	1/2	3,101.00	1/2	2,757.57	1/2	2,413.99
3/4		3/4		3/4		3/4	4,756.34	3/4	4,443.79	3/4	4,121.10	3/4	3,780.61	3/4	3,437.22	3/4	3,093.84	3/4	2,750.41	3/4	2,406.84
10		10		10		10	4,749.25	10	4,437.27	10	4,114.17	10	3,773.45	10	3,430.07	10	3,086.69	10	2,743.26	10	2,399.68
1/4		1/4		1/4		1/4	4,742.15	1/4	4,430.75	1/4	4,107.23	1/4	3,766.30	1/4	3,422.92	1/4	3,079.53	1/4	2,736.10	1/4	2,392.52
1/2		1/2		1/2		1/2	4,735.05	1/2	4,424.20	1/2	4,100.26	1/2	3,759.14	1/2	3,415.76	1/2	3,072.38	1/2	2,728.94	1/2	2,385.36
3/4		3/4		3/4		3/4	4,727.96	3/4	4,417.64	3/4	4,093.29	3/4	3,751.99	3/4	3,408.61	3/4	3,065.23	3/4	2,721.78	3/4	2,378.20
11		11		11		11	4,720.86	11	4,411.08	11	4,086.33	11	3,744.84	11	3,401.45	11	3,058.07	11	2,714.63	11	2,371.05
1/4		1/4		1/4		1/4	4,713.76	1/4	4,404.53	1/4	4,079.36	1/4	3,737.68	1/4	3,394.30	1/4	3,050.92	1/4	2,707.47	1/4	2,363.89
1/2		1/2		1/2		1/2	4,706.67	1/2	4,397.94	1/2	4,072.36	1/2	3,730.53	1/2	3,387.15	1/2	3,043.76	1/2	2,700.31	1/2	2,356.73
3/4		3/4		3/4		3/4	4,699.57	3/4	4,391.35	3/4	4,065.36	3/4	3,723.38	3/4	3,379.99	3/4	3,036.61	3/4	2,693.15	3/4	2,349.57

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 27728"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,342.41	0	1,998.84	0	1,661.06	0	1,317.41	0	980.22	0	644.49	0	300.86	0		0			
1/4	2,335.26	1/4	1,991.68	1/4	1,653.90	1/4	1,310.25	1/4	973.37	1/4	637.33	1/4	293.70	1/4		1/4		1/4	
1/2	2,328.10	1/2	1,984.52	1/2	1,646.74	1/2	1,303.09	1/2	966.51	1/2	630.17	1/2	286.54	1/2		1/2		1/2	
3/4	2,320.94	3/4	1,977.36	3/4	1,639.58	3/4	1,295.93	3/4	959.66	3/4	623.01	3/4	279.38	3/4		3/4		3/4	
1	2,313.78	1	1,970.20	1	1,632.42	1	1,288.77	1	952.80	1	615.86	1	272.22	1		1		1	
1/4	2,306.62	1/4	1,963.05	1/4	1,625.26	1/4	1,281.61	1/4	945.95	1/4	608.70	1/4	265.06	1/4		1/4		1/4	
1/2	2,299.47	1/2	1,956.40	1/2	1,618.10	1/2	1,274.46	1/2	939.09	1/2	601.54	1/2	257.90	1/2		1/2		1/2	
3/4	2,292.31	3/4	1,949.75	3/4	1,610.94	3/4	1,267.30	3/4	932.24	3/4	594.38	3/4	250.74	3/4		3/4		3/4	
2	2,285.15	2	1,943.10	2	1,603.78	2	1,260.14	2	925.38	2	587.22	2	243.58	2		2		2	
1/4	2,277.99	1/4	1,936.45	1/4	1,596.62	1/4	1,252.98	1/4	918.53	1/4	580.06	1/4	236.42	1/4		1/4		1/4	
1/2	2,270.84	1/2	1,929.97	1/2	1,589.46	1/2	1,245.82	1/2	911.67	1/2	572.90	1/2	229.26	1/2		1/2		1/2	
3/4	2,263.68	3/4	1,923.49	3/4	1,582.30	3/4	1,238.66	3/4	904.82	3/4	565.74	3/4	222.11	3/4		3/4		3/4	
3	2,256.52	3	1,917.01	3	1,575.15	3	1,231.50	3	897.96	3	558.58	3	214.95	3		3		3	
1/4	2,249.36	1/4	1,910.53	1/4	1,567.99	1/4	1,224.34	1/4	891.11	1/4	551.42	1/4	207.79	1/4		1/4		1/4	
1/2	2,242.20	1/2	1,903.56	1/2	1,560.83	1/2	1,217.18	1/2	884.25	1/2	544.26	1/2	200.63	1/2		1/2		1/2	
3/4	2,235.05	3/4	1,896.60	3/4	1,553.67	3/4	1,210.02	3/4	877.40	3/4	537.11	3/4	193.47	3/4		3/4		3/4	
4	2,227.89	4	1,889.64	4	1,546.51	4	1,202.86	4	870.54	4	529.95	4	186.31	4		4		4	
1/4	2,220.73	1/4	1,882.67	1/4	1,539.35	1/4	1,195.70	1/4	863.68	1/4	522.79	1/4	179.15	1/4		1/4		1/4	
1/2	2,213.57	1/2	1,875.55	1/2	1,532.19	1/2	1,188.54	1/2	856.83	1/2	515.63	1/2	171.99	1/2		1/2		1/2	
3/4	2,206.41	3/4	1,868.43	3/4	1,525.03	3/4	1,181.38	3/4	849.97	3/4	508.47	3/4	164.83	3/4		3/4		3/4	
5	2,199.26	5	1,861.30	5	1,517.87	5	1,174.22	5	843.12	5	501.31	5	157.67	5		5		5	
1/4	2,192.10	1/4	1,854.18	1/4	1,510.71	1/4	1,167.07	1/4	836.26	1/4	494.15	1/4	150.51	1/4		1/4		1/4	
1/2	2,184.94	1/2	1,847.05	1/2	1,503.55	1/2	1,159.91	1/2	829.41	1/2	486.99	1/2	143.36	1/2		1/2		1/2	
3/4	2,177.78	3/4	1,839.93	3/4	1,496.39	3/4	1,152.75	3/4	822.55	3/4	479.83	3/4	136.20	3/4		3/4		3/4	
6	2,170.62	6	1,832.81	6	1,489.23	6	1,145.59	6	815.70	6	472.67	6	129.04	6		6		6	
1/4	2,163.47	1/4	1,825.68	1/4	1,482.07	1/4	1,138.43	1/4	808.84	1/4	465.51	1/4	121.88	1/4		1/4		1/4	
1/2	2,156.31	1/2	1,818.53	1/2	1,474.92	1/2	1,131.28	1/2	801.76	1/2	458.36	1/2	114.73	1/2		1/2		1/2	
3/4	2,149.15	3/4	1,811.38	3/4	1,467.76	3/4	1,124.13	3/4	794.68	3/4	451.20	3/4	107.58	3/4		3/4		3/4	
7	2,141.99	7	1,804.23	7	1,460.60	7	1,117.59	7	787.60	7	444.04	7	100.43	7		7		7	
1/4	2,134.84	1/4	1,797.08	1/4	1,453.44	1/4	1,110.44	1/4	780.52	1/4	436.88	1/4	93.28	1/4		1/4		1/4	
1/2	2,127.68	1/2	1,789.92	1/2	1,446.28	1/2	1,103.76	1/2	773.36	1/2	429.72	1/2	86.15	1/2		1/2		1/2	
3/4	2,120.52	3/4	1,782.77	3/4	1,439.12	3/4	1,096.89	3/4	766.20	3/4	422.56	3/4	79.02	3/4		3/4		3/4	
8	2,113.36	8	1,775.61	8	1,431.96	8	1,090.01	8	759.04	8	415.40	8	71.89	8		8		8	
1/4	2,106.20	1/4	1,768.45	1/4	1,424.80	1/4	1,083.13	1/4	751.88	1/4	408.24	1/4	64.76	1/4		1/4		1/4	
1/2	2,099.05	1/2	1,761.29	1/2	1,417.64	1/2	1,076.27	1/2	744.72	1/2	401.08	1/2	58.28	1/2		1/2		1/2	
3/4	2,091.89	3/4	1,754.13	3/4	1,410.48	3/4	1,069.40	3/4	737.56	3/4	393.92	3/4	51.80	3/4		3/4		3/4	
9	2,084.73	9	1,746.97	9	1,403.32	9	1,062.53	9	730.40	9	386.76	9	45.32	9		9		9	
1/4	2,077.57	1/4	1,739.81	1/4	1,396.16	1/4	1,055.67	1/4	723.24	1/4	379.61	1/4	38.84	1/4		1/4		1/4	
1/2	2,070.41	1/2	1,732.65	1/2	1,389.00	1/2	1,048.81	1/2	716.08	1/2	372.45	1/2	33.92	1/2		1/2		1/2	
3/4	2,063.26	3/4	1,725.49	3/4	1,381.84	3/4	1,041.94	3/4	708.92	3/4	365.29	3/4	29.00	3/4		3/4		3/4	
10	2,056.10	10	1,718.33	10	1,374.69	10	1,035.08	10	701.77	10	358.13	10	24.08	10		10		10	
1/4	2,048.94	1/4	1,711.17	1/4	1,367.53	1/4	1,028.22	1/4	694.61	1/4	350.97	1/4		1/4		1/4		1/4	
1/2	2,041.78	1/2	1,704.01	1/2	1,360.37	1/2	1,021.36	1/2	687.45	1/2	343.81	1/2		1/2		1/2		1/2	
3/4	2,034.62	3/4	1,696.85	3/4	1,353.21	3/4	1,014.50	3/4	680.29	3/4	336.65	3/4		3/4		3/4		3/4	
11	2,027.47	11	1,689.69	11	1,346.05	11	1,007.65	11	673.13	11	329.49	11		11		11		11	
1/4	2,020.31	1/4	1,682.54	1/4	1,338.89	1/4	1,000.79	1/4	665.97	1/4	322.33	1/4		1/4		1/4		1/4	
1/2	2,013.15	1/2	1,675.38	1/2	1,331.73	1/2	993.93	1/2	658.81	1/2	315.17	1/2		1/2		1/2		1/2	
3/4	2,005.99	3/4	1,668.22	3/4	1,324.57	3/4	987.08	3/4	651.65	3/4	308.01	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 SW
RECALCULATED: 04/23/2019 SW
VERIFIED: 04/11/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 27728"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-9-1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,697.65	0	4,389.89	0	4,062.33	0	3,719.58	0	3,375.85	0	3,032.12	0	2,688.29
1/4		1/4		1/4		1/4	4,691.22	1/4	4,383.26	1/4	4,055.28	1/4	3,712.42	1/4	3,368.69	1/4	3,024.96	1/4	2,681.13
1/2		1/2		1/2		1/2	4,684.79	1/2	4,376.64	1/2	4,048.24	1/2	3,705.26	1/2	3,361.53	1/2	3,017.79	1/2	2,673.96
3/4		3/4		3/4		3/4	4,678.36	3/4	4,370.01	3/4	4,041.19	3/4	3,698.10	3/4	3,354.37	3/4	3,010.63	3/4	2,666.80
1		1		1		1	4,672.13	1	4,363.35	1	4,034.12	1	3,690.94	1	3,347.21	1	3,003.47	1	2,659.63
1/4		1/4		1/4		1/4	4,665.90	1/4	4,356.68	1/4	4,027.04	1/4	3,683.78	1/4	3,340.04	1/4	2,996.31	1/4	2,652.47
1/2		1/2		1/2		1/2	4,659.67	1/2	4,350.02	1/2	4,019.96	1/2	3,676.62	1/2	3,332.88	1/2	2,989.15	1/2	2,645.30
3/4		3/4		3/4		3/4	4,653.44	3/4	4,343.36	3/4	4,012.88	3/4	3,669.45	3/4	3,325.72	3/4	2,981.99	3/4	2,638.14
2		2		2		2	4,647.18	2	4,336.67	2	4,005.77	2	3,662.29	2	3,318.56	2	2,974.83	2	2,630.97
1/4		1/4		1/4		1/4	4,640.92	1/4	4,329.98	1/4	3,998.66	1/4	3,655.13	1/4	3,311.40	1/4	2,967.67	1/4	2,623.81
1/2		1/2		1/2		1/2	4,634.67	1/2	4,323.28	1/2	3,991.55	1/2	3,647.97	1/2	3,304.24	1/2	2,960.51	1/2	2,616.64
3/4		3/4		3/4		3/4	4,628.41	3/4	4,316.59	3/4	3,984.44	3/4	3,640.81	3/4	3,297.08	3/4	2,953.34	3/4	2,609.48
3		3		3		3	4,622.11	3	4,309.87	3	3,977.30	3	3,633.65	3	3,289.92	3	2,946.18	3	2,602.31
1/4		1/4		1/4		1/4	4,615.82	1/4	4,303.14	1/4	3,970.16	1/4	3,626.49	1/4	3,282.76	1/4	2,939.02	1/4	2,595.15
1/2		1/2		1/2		1/2	4,609.52	1/2	4,296.42	1/2	3,963.02	1/2	3,619.33	1/2	3,275.59	1/2	2,931.86	1/2	2,587.98
3/4		3/4		3/4		3/4	4,603.23	3/4	4,289.70	3/4	3,955.88	3/4	3,612.17	3/4	3,268.43	3/4	2,924.70	3/4	2,580.82
4		4		4		4	4,596.90	4	4,282.94	4	3,948.72	4	3,605.00	4	3,261.27	4	2,917.54	4	2,573.65
1/4		1/4		1/4		1/4	4,590.57	1/4	4,276.18	1/4	3,941.57	1/4	3,597.84	1/4	3,254.11	1/4	2,910.38	1/4	2,566.49
1/2		1/2		1/2		1/2	4,584.24	1/2	4,269.43	1/2	3,934.41	1/2	3,590.68	1/2	3,246.95	1/2	2,903.22	1/2	2,559.32
3/4		3/4		3/4		3/4	4,577.91	3/4	4,262.67	3/4	3,927.25	3/4	3,583.52	3/4	3,239.79	3/4	2,896.06	3/4	2,552.16
5		5		5		5	4,571.55	5	4,255.89	5	3,920.09	5	3,576.36	5	3,232.63	5	2,888.89	5	2,544.99
1/4		1/4		1/4		1/4	4,565.19	1/4	4,249.10	1/4	3,912.93	1/4	3,569.20	1/4	3,225.47	1/4	2,881.73	1/4	2,537.83
1/2		1/2		1/2		1/2	4,558.83	1/2	4,242.31	1/2	3,905.77	1/2	3,562.04	1/2	3,218.31	1/2	2,874.57	1/2	2,530.66
3/4		3/4		3/4		3/4	4,552.47	3/4	4,235.52	3/4	3,898.61	3/4	3,554.88	3/4	3,211.14	3/4	2,867.41	3/4	2,523.50
6		6		6		6	4,546.08	6	4,228.70	6	3,891.45	6	3,547.72	6	3,203.98	6	2,860.25	6	2,516.33
1/4		1/4		1/4		1/4	4,539.69	1/4	4,221.87	1/4	3,884.29	1/4	3,540.56	1/4	3,196.82	1/4	2,853.09	1/4	2,509.17
1/2		1/2		1/2		1/2	4,533.30	1/2	4,215.05	1/2	3,877.13	1/2	3,533.39	1/2	3,189.66	1/2	2,845.92	1/2	2,502.00
3/4		3/4		3/4	4,841.14	3/4	4,526.91	3/4	4,208.22	3/4	3,869.97	3/4	3,526.23	3/4	3,182.50	3/4	2,838.76	3/4	2,494.84
7		7		7	4,835.11	7	4,520.48	7	4,201.35	7	3,862.80	7	3,519.07	7	3,175.34	7	2,831.60	7	2,487.67
1/4		1/4		1/4	4,829.08	1/4	4,514.06	1/4	4,194.47	1/4	3,855.64	1/4	3,511.91	1/4	3,168.18	1/4	2,824.43	1/4	2,480.51
1/2		1/2		1/2	4,823.03	1/2	4,507.64	1/2	4,187.60	1/2	3,848.48	1/2	3,504.75	1/2	3,161.02	1/2	2,817.27	1/2	2,473.34
3/4		3/4		3/4	4,817.03	3/4	4,501.21	3/4	4,180.72	3/4	3,841.32	3/4	3,497.59	3/4	3,153.86	3/4	2,810.10	3/4	2,466.18
8		8		8	4,810.10	8	4,494.73	8	4,173.81	8	3,834.16	8	3,490.43	8	3,146.69	8	2,802.94	8	2,459.01
1/4		1/4		1/4	4,803.18	1/4	4,488.24	1/4	4,166.90	1/4	3,827.00	1/4	3,483.27	1/4	3,139.53	1/4	2,795.77	1/4	2,451.85
1/2		1/2		1/2	4,796.25	1/2	4,481.76	1/2	4,159.99	1/2	3,819.84	1/2	3,476.11	1/2	3,132.37	1/2	2,788.61	1/2	2,444.68
3/4		3/4		3/4	4,789.32	3/4	4,475.27	3/4	4,153.07	3/4	3,812.68	3/4	3,468.94	3/4	3,125.21	3/4	2,781.44	3/4	2,437.52
9		9		9	4,782.22	9	4,468.75	9	4,146.13	9	3,805.52	9	3,461.78	9	3,118.05	9	2,774.28	9	2,430.35
1/4		1/4		1/4	4,775.12	1/4	4,462.22	1/4	4,139.19	1/4	3,798.35	1/4	3,454.62	1/4	3,110.89	1/4	2,767.11	1/4	2,423.19
1/2		1/2		1/2	4,768.01	1/2	4,455.70	1/2	4,132.24	1/2	3,791.19	1/2	3,447.46	1/2	3,103.73	1/2	2,759.95	1/2	2,416.02
3/4		3/4		3/4	4,760.91	3/4	4,449.17	3/4	4,125.30	3/4	3,784.03	3/4	3,440.30	3/4	3,096.57	3/4	2,752.78	3/4	2,408.86
10		10		10	4,753.80	10	4,442.61	10	4,118.32	10	3,776.87	10	3,433.14	10	3,089.41	10	2,745.61	10	2,401.69
1/4		1/4		1/4	4,746.70	1/4	4,436.04	1/4	4,111.35	1/4	3,769.71	1/4	3,425.98	1/4	3,082.24	1/4	2,738.45	1/4	2,394.53
1/2		1/2		1/2	4,739.60	1/2	4,429.48	1/2	4,104.37	1/2	3,762.55	1/2	3,418.82	1/2	3,075.08	1/2	2,731.28	1/2	2,387.36
3/4		3/4		3/4	4,732.49	3/4	4,422.91	3/4	4,097.40	3/4	3,755.39	3/4	3,411.66	3/4	3,067.92	3/4	2,724.12	3/4	2,380.19
11		11		11	4,725.39	11	4,416.32	11	4,090.39	11	3,748.23	11	3,404.49	11	3,060.76	11	2,716.95	11	2,373.03
1/4		1/4		1/4	4,718.29	1/4	4,409.72	1/4	4,083.39	1/4	3,741.07	1/4	3,397.33	1/4	3,053.60	1/4	2,709.79	1/4	2,365.86
1/2		1/2		1/2	4,711.18	1/2	4,403.12	1/2	4,076.38	1/2	3,733.90	1/2	3,390.17	1/2	3,046.44	1/2	2,702.62	1/2	2,358.70
3/4		3/4		3/4	4,704.08	3/4	4,396.52	3/4	4,069.37	3/4	3,726.74	3/4	3,383.01	3/4	3,039.28	3/4	2,695.46	3/4	2,351.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 27728"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-9-1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,344.37	0	2,000.44	0	1,662.32	0	1,318.32	0	974.48	0	630.80	0	286.82	0		0			
1/4	2,337.20	1/4	1,993.28	1/4	1,655.15	1/4	1,311.16	1/4	967.33	1/4	623.63	1/4	279.66	1/4		1/4		1/4	
1/2	2,330.04	1/2	1,986.11	1/2	1,647.98	1/2	1,303.99	1/2	960.17	1/2	616.47	1/2	272.49	1/2		1/2		1/2	
3/4	2,322.87	3/4	1,978.95	3/4	1,640.82	3/4	1,296.82	3/4	953.02	3/4	609.30	3/4	265.32	3/4		3/4		3/4	
1	2,315.71	1	1,972.29	1	1,633.65	1	1,289.66	1	945.87	1	602.13	1	258.16	1		1		1	
1/4	2,308.54	1/4	1,965.64	1/4	1,626.48	1/4	1,282.49	1/4	938.71	1/4	594.97	1/4	250.99	1/4		1/4		1/4	
1/2	2,301.38	1/2	1,958.98	1/2	1,619.32	1/2	1,275.32	1/2	931.56	1/2	587.80	1/2	243.82	1/2		1/2		1/2	
3/4	2,294.21	3/4	1,952.32	3/4	1,612.15	3/4	1,268.16	3/4	924.41	3/4	580.64	3/4	236.66	3/4		3/4		3/4	
2	2,287.05	2	1,945.83	2	1,604.98	2	1,260.99	2	917.25	2	573.47	2	229.49	2		2		2	
1/4	2,279.88	1/4	1,939.35	1/4	1,597.82	1/4	1,253.83	1/4	910.10	1/4	566.30	1/4	222.33	1/4		1/4		1/4	
1/2	2,272.72	1/2	1,932.86	1/2	1,590.65	1/2	1,246.66	1/2	902.95	1/2	559.14	1/2	215.16	1/2		1/2		1/2	
3/4	2,265.55	3/4	1,926.37	3/4	1,583.48	3/4	1,239.49	3/4	895.79	3/4	551.97	3/4	207.99	3/4		3/4		3/4	
3	2,258.39	3	1,919.40	3	1,576.32	3	1,232.33	3	888.64	3	544.80	3	200.83	3		3		3	
1/4	2,251.22	1/4	1,912.43	1/4	1,569.15	1/4	1,225.16	1/4	881.48	1/4	537.64	1/4	193.66	1/4		1/4		1/4	
1/2	2,244.06	1/2	1,905.46	1/2	1,561.98	1/2	1,217.99	1/2	874.33	1/2	530.47	1/2	186.49	1/2		1/2		1/2	
3/4	2,236.89	3/4	1,898.49	3/4	1,554.82	3/4	1,210.83	3/4	867.18	3/4	523.31	3/4	179.33	3/4		3/4		3/4	
4	2,229.73	4	1,891.36	4	1,547.65	4	1,203.66	4	860.02	4	516.14	4	172.16	4		4		4	
1/4	2,222.56	1/4	1,884.23	1/4	1,540.49	1/4	1,196.49	1/4	852.87	1/4	508.97	1/4	165.00	1/4		1/4		1/4	
1/2	2,215.40	1/2	1,877.10	1/2	1,533.32	1/2	1,189.33	1/2	845.72	1/2	501.81	1/2	157.83	1/2		1/2		1/2	
3/4	2,208.23	3/4	1,869.97	3/4	1,526.15	3/4	1,182.16	3/4	838.56	3/4	494.64	3/4	150.66	3/4		3/4		3/4	
5	2,201.07	5	1,862.84	5	1,518.99	5	1,174.99	5	831.41	5	487.48	5	143.50	5		5		5	
1/4	2,193.90	1/4	1,855.71	1/4	1,511.82	1/4	1,167.83	1/4	824.26	1/4	480.31	1/4	136.33	1/4		1/4		1/4	
1/2	2,186.74	1/2	1,848.57	1/2	1,504.65	1/2	1,160.66	1/2	817.10	1/2	473.14	1/2	129.17	1/2		1/2		1/2	
3/4	2,179.57	3/4	1,841.44	3/4	1,497.49	3/4	1,153.49	3/4	809.95	3/4	465.98	3/4	122.00	3/4		3/4		3/4	
6	2,172.41	6	1,834.29	6	1,490.32	6	1,146.33	6	802.78	6	458.81	6	114.84	6		6		6	
1/4	2,165.24	1/4	1,827.13	1/4	1,483.15	1/4	1,139.16	1/4	795.62	1/4	451.64	1/4	107.69	1/4		1/4		1/4	
1/2	2,158.08	1/2	1,819.97	1/2	1,475.99	1/2	1,131.99	1/2	788.45	1/2	444.48	1/2	100.53	1/2		1/2		1/2	
3/4	2,150.91	3/4	1,812.81	3/4	1,468.82	3/4	1,124.83	3/4	781.29	3/4	437.31	3/4	93.37	3/4		3/4		3/4	
7	2,143.75	7	1,805.65	7	1,461.65	7	1,117.66	7	774.12	7	430.15	7	86.23	7		7		7	
1/4	2,136.58	1/4	1,798.48	1/4	1,454.49	1/4	1,110.50	1/4	766.96	1/4	422.98	1/4	79.09	1/4		1/4		1/4	
1/2	2,129.42	1/2	1,791.31	1/2	1,447.32	1/2	1,103.33	1/2	759.79	1/2	415.81	1/2	71.96	1/2		1/2		1/2	
3/4	2,122.25	3/4	1,784.15	3/4	1,440.15	3/4	1,096.16	3/4	752.62	3/4	408.65	3/4	64.82	3/4		3/4		3/4	
8	2,115.09	8	1,776.98	8	1,432.99	8	1,089.00	8	745.46	8	401.48	8	58.33	8		8		8	
1/4	2,107.92	1/4	1,769.81	1/4	1,425.82	1/4	1,081.84	1/4	738.29	1/4	394.31	1/4	51.85	1/4		1/4		1/4	
1/2	2,100.76	1/2	1,762.65	1/2	1,418.65	1/2	1,074.68	1/2	731.13	1/2	387.15	1/2	45.36	1/2		1/2		1/2	
3/4	2,093.59	3/4	1,755.48	3/4	1,411.49	3/4	1,067.51	3/4	723.96	3/4	379.98	3/4	38.88	3/4		3/4		3/4	
9	2,086.43	9	1,748.31	9	1,404.32	9	1,060.35	9	716.79	9	372.82	9	33.95	9		9		9	
1/4	2,079.26	1/4	1,741.15	1/4	1,397.16	1/4	1,053.19	1/4	709.63	1/4	365.65	1/4	29.03	1/4		1/4		1/4	
1/2	2,072.10	1/2	1,733.98	1/2	1,389.99	1/2	1,046.03	1/2	702.46	1/2	358.48	1/2	24.10	1/2		1/2		1/2	
3/4	2,064.93	3/4	1,726.81	3/4	1,382.82	3/4	1,038.87	3/4	695.30	3/4	351.32	3/4		3/4		3/4		3/4	
10	2,057.77	10	1,719.65	10	1,375.66	10	1,031.71	10	688.13	10	344.15	10		10		10		10	
1/4	2,050.60	1/4	1,712.48	1/4	1,368.49	1/4	1,024.56	1/4	680.96	1/4	336.99	1/4		1/4		1/4		1/4	
1/2	2,043.44	1/2	1,705.31	1/2	1,361.32	1/2	1,017.40	1/2	673.80	1/2	329.82	1/2		1/2		1/2		1/2	
3/4	2,036.27	3/4	1,698.15	3/4	1,354.16	3/4	1,010.25	3/4	666.63	3/4	322.65	3/4		3/4		3/4		3/4	
11	2,029.10	11	1,690.98	11	1,346.99	11	1,003.10	11	659.46	11	315.49	11		11		11		11	
1/4	2,021.94	1/4	1,683.82	1/4	1,339.82	1/4	995.94	1/4	652.30	1/4	308.32	1/4		1/4		1/4		1/4	
1/2	2,014.77	1/2	1,676.65	1/2	1,332.66	1/2	988.79	1/2	645.13	1/2	301.15	1/2		1/2		1/2		1/2	
3/4	2,007.61	3/4	1,669.48	3/4	1,325.49	3/4	981.64	3/4	637.97	3/4	293.99	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 SW
RECALCULATED: 04/23/2019 SW
VERIFIED: 04/11/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 27728"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-8-3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,302.80	0	4,137.04	0	3,959.47	0	3,773.13	0	3,532.32	0	3,169.66	0	2,806.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,299.46	1/4	4,133.45	1/4	3,955.64	1/4	3,769.06	1/4	3,524.77	1/4	3,162.09	1/4	2,798.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,296.12	1/2	4,129.86	1/2	3,951.81	1/2	3,764.99	1/2	3,517.23	1/2	3,154.53	1/2	2,791.19		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,292.77	3/4	4,126.27	3/4	3,947.98	3/4	3,760.92	3/4	3,509.68	3/4	3,146.96	3/4	2,783.62		
1		1		1		1	4,289.43	1	4,122.68	1	3,944.15	1	3,756.84	1	3,502.13	1	3,139.39	1	2,776.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,286.08	1/4	4,119.07	1/4	3,940.30	1/4	3,752.77	1/4	3,494.58	1/4	3,131.82	1/4	2,768.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,282.72	1/2	4,115.46	1/2	3,936.45	1/2	3,748.70	1/2	3,487.04	1/2	3,124.26	1/2	2,760.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,279.36	3/4	4,111.86	3/4	3,932.60	3/4	3,744.63	3/4	3,479.49	3/4	3,116.69	3/4	2,753.34		
2		2		2		2	4,276.01	2	4,108.25	2	3,928.76	2	3,740.56	2	3,471.94	2	3,109.12	2	2,745.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,272.63	1/4	4,104.62	1/4	3,924.89	1/4	3,736.48	1/4	3,464.40	1/4	3,101.55	1/4	2,738.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,269.25	1/2	4,100.99	1/2	3,921.02	1/2	3,732.41	1/2	3,456.85	1/2	3,093.98	1/2	2,730.63		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,265.87	3/4	4,097.37	3/4	3,917.16	3/4	3,728.34	3/4	3,449.30	3/4	3,086.42	3/4	2,723.06		
3		3		3		3	4,262.49	3	4,093.74	3	3,913.29	3	3,724.27	3	3,441.75	3	3,078.85	3	2,715.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,259.10	1/4	4,090.09	1/4	3,909.42	1/4	3,720.20	1/4	3,434.21	1/4	3,071.28	1/4	2,707.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,255.70	1/2	4,086.45	1/2	3,905.54	1/2	3,716.12	1/2	3,426.66	1/2	3,063.71	1/2	2,700.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,252.30	3/4	4,082.81	3/4	3,901.67	3/4	3,712.05	3/4	3,419.11	3/4	3,056.14	3/4	2,692.77		
4		4		4		4	4,248.91	4	4,079.16	4	3,897.79	4	3,707.98	4	3,411.57	4	3,048.58	4	2,685.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,245.49	1/4	4,075.50	1/4	3,893.91	1/4	3,703.91	1/4	3,404.02	1/4	3,041.01	1/4	2,677.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,242.08	1/2	4,071.84	1/2	3,890.04	1/2	3,699.83	1/2	3,396.47	1/2	3,033.44	1/2	2,670.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,238.66	3/4	4,068.17	3/4	3,886.16	3/4	3,695.76	3/4	3,388.92	3/4	3,025.87	3/4	2,662.49		
5		5		5		5	4,235.25	5	4,064.51	5	3,882.28	5	3,691.69	5	3,381.38	5	3,018.30	5	2,654.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,231.81	1/4	4,060.83	1/4	3,878.40	1/4	3,687.62	1/4	3,373.83	1/4	3,010.73	1/4	2,647.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,228.38	1/2	4,057.14	1/2	3,874.53	1/2	3,683.55	1/2	3,366.28	1/2	3,003.17	1/2	2,639.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,224.95	3/4	4,053.46	3/4	3,870.65	3/4	3,679.47	3/4	3,358.74	3/4	2,995.60	3/4	2,632.19		
6		6		6	4,388.08	6	4,221.51	6	4,049.77	6	3,866.77	6	3,675.40	6	3,351.19	6	2,988.03	6	2,624.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,385.38	1/4	4,218.06	1/4	4,046.06	1/4	3,862.89	1/4	3,671.33	1/4	3,343.64	1/4	2,980.46	1/4	2,617.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,382.68	1/2	4,214.61	1/2	4,042.34	1/2	3,859.02	1/2	3,667.26	1/2	3,336.09	1/2	2,972.89	1/2	2,609.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,379.98	3/4	4,211.16	3/4	4,038.63	3/4	3,855.14	3/4	3,663.19	3/4	3,328.55	3/4	2,965.31	3/4	2,601.88
7		7		7	4,377.28	7	4,207.71	7	4,034.92	7	3,851.26	7	3,659.11	7	3,321.00	7	2,957.74	7	2,594.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,373.63	1/4	4,204.22	1/4	4,031.18	1/4	3,847.39	1/4	3,655.04	1/4	3,313.44	1/4	2,950.17	1/4	2,586.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,369.98	1/2	4,200.73	1/2	4,027.44	1/2	3,843.51	1/2	3,650.97	1/2	3,305.87	1/2	2,942.60	1/2	2,579.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,366.33	3/4	4,197.24	3/4	4,023.71	3/4	3,839.63	3/4	3,646.90	3/4	3,298.31	3/4	2,935.03	3/4	2,571.57
8		8		8	4,362.68	8	4,193.75	8	4,019.97	8	3,835.75	8	3,642.83	8	3,290.75	8	2,927.46	8	2,563.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,358.84	1/4	4,190.24	1/4	4,016.22	1/4	3,831.88	1/4	3,637.43	1/4	3,283.18	1/4	2,919.89	1/4	2,556.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,355.00	1/2	4,186.73	1/2	4,012.47	1/2	3,828.00	1/2	3,632.04	1/2	3,275.61	1/2	2,912.32	1/2	2,548.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,351.16	3/4	4,183.21	3/4	4,008.71	3/4	3,824.12	3/4	3,626.65	3/4	3,268.05	3/4	2,904.75	3/4	2,541.26
9		9		9	4,347.32	9	4,179.70	9	4,004.96	9	3,820.24	9	3,621.26	9	3,260.48	9	2,897.18	9	2,533.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.49	1/4	4,176.16	1/4	4,001.19	1/4	3,816.37	1/4	3,614.14	1/4	3,252.91	1/4	2,889.61	1/4	2,526.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.65	1/2	4,172.63	1/2	3,997.42	1/2	3,812.49	1/2	3,607.01	1/2	3,245.34	1/2	2,882.04	1/2	2,518.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,335.81	3/4	4,169.09	3/4	3,993.64	3/4	3,808.61	3/4	3,599.88	3/4	3,237.77	3/4	2,874.47	3/4	2,511.03
10		10		10	4,331.97	10	4,165.55	10	3,989.87	10	3,804.74	10	3,592.76	10	3,230.21	10	2,866.90	10	2,503.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,328.13	1/4	4,162.00	1/4	3,986.08	1/4	3,800.86	1/4	3,585.20	1/4	3,222.64	1/4	2,859.33	1/4	2,495.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,324.29	1/2	4,158.44	1/2	3,982.29	1/2	3,796.98	1/2	3,577.64	1/2	3,215.07	1/2	2,851.76	1/2	2,488.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,320.46	3/4	4,154.89	3/4	3,978.50	3/4	3,793.10	3/4	3,570.08	3/4	3,207.50	3/4	2,844.19	3/4	2,480.87
11		11		11	4,316.62	11	4,151.34	11	3,974.71	11	3,789.23	11	3,562.52	11	3,199.93	11	2,836.61	11	2,473.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,313.16	1/4	4,147.76	1/4	3,970.90	1/4	3,785.35	1/4	3,554.97	1/4	3,192.37	1/4	2,829.04	1/4	2,465.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,309.71	1/2	4,144.19	1/2	3,967.09	1/2	3,781.28	1/2	3,547.42	1/2	3,184.80	1/2	2,821.47	1/2	2,458.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,306.25	3/4	4,140.62	3/4	3,963.28	3/4	3,777.20	3/4	3,539.87	3/4	3,177.23	3/4	2,813.90	3/4	2,450.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 27728"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-8-3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,443.17	0	2,081.94	0	1,725.63	0	1,361.82	0	1,004.00	0	644.90	0	280.92	0		0			
1/4	2,435.63	1/4	2,074.96	1/4	1,718.05	1/4	1,354.24	1/4	996.65	1/4	637.31	1/4	273.34	1/4		1/4		1/4	
1/2	2,428.09	1/2	2,067.98	1/2	1,710.47	1/2	1,346.66	1/2	989.30	1/2	629.73	1/2	265.76	1/2		1/2		1/2	
3/4	2,420.55	3/4	2,061.01	3/4	1,702.89	3/4	1,339.08	3/4	981.95	3/4	622.15	3/4	258.17	3/4		3/4		3/4	
1	2,413.01	1	2,054.03	1	1,695.31	1	1,331.50	1	974.60	1	614.56	1	250.59	1		1		1	
1/4	2,405.47	1/4	2,047.23	1/4	1,687.73	1/4	1,323.92	1/4	967.25	1/4	606.98	1/4	243.01	1/4		1/4		1/4	
1/2	2,397.93	1/2	2,040.44	1/2	1,680.15	1/2	1,316.34	1/2	959.90	1/2	599.39	1/2	235.43	1/2		1/2		1/2	
3/4	2,390.39	3/4	2,033.64	3/4	1,672.58	3/4	1,308.76	3/4	952.55	3/4	591.81	3/4	227.84	3/4		3/4		3/4	
2	2,382.85	2	2,026.84	2	1,665.00	2	1,301.18	2	945.20	2	584.23	2	220.26	2		2		2	
1/4	2,375.31	1/4	2,019.53	1/4	1,657.42	1/4	1,293.61	1/4	937.85	1/4	576.64	1/4	212.68	1/4		1/4		1/4	
1/2	2,367.78	1/2	2,012.22	1/2	1,649.84	1/2	1,286.03	1/2	930.50	1/2	569.06	1/2	205.09	1/2		1/2		1/2	
3/4	2,360.24	3/4	2,004.91	3/4	1,642.26	3/4	1,278.45	3/4	923.15	3/4	561.48	3/4	197.51	3/4		3/4		3/4	
3	2,352.70	3	1,997.60	3	1,634.68	3	1,270.87	3	915.80	3	553.89	3	189.93	3		3		3	
1/4	2,345.16	1/4	1,990.12	1/4	1,627.10	1/4	1,263.29	1/4	908.45	1/4	546.31	1/4	182.34	1/4		1/4		1/4	
1/2	2,337.62	1/2	1,982.64	1/2	1,619.52	1/2	1,255.71	1/2	901.10	1/2	538.73	1/2	174.76	1/2		1/2		1/2	
3/4	2,330.08	3/4	1,975.16	3/4	1,611.94	3/4	1,248.13	3/4	893.75	3/4	531.14	3/4	167.17	3/4		3/4		3/4	
4	2,322.54	4	1,967.68	4	1,604.36	4	1,240.55	4	886.40	4	523.56	4	159.59	4		4		4	
1/4	2,315.00	1/4	1,960.20	1/4	1,596.78	1/4	1,232.97	1/4	879.05	1/4	515.98	1/4	152.00	1/4		1/4		1/4	
1/2	2,307.46	1/2	1,952.71	1/2	1,589.20	1/2	1,225.39	1/2	871.70	1/2	508.39	1/2	144.42	1/2		1/2		1/2	
3/4	2,299.92	3/4	1,945.23	3/4	1,581.62	3/4	1,217.81	3/4	864.35	3/4	500.81	3/4	136.84	3/4		3/4		3/4	
5	2,292.38	5	1,937.75	5	1,574.04	5	1,210.23	5	857.00	5	493.22	5	129.25	5		5		5	
1/4	2,284.86	1/4	1,930.20	1/4	1,566.46	1/4	1,202.81	1/4	849.48	1/4	485.64	1/4	121.67	1/4		1/4		1/4	
1/2	2,277.34	1/2	1,922.64	1/2	1,558.88	1/2	1,195.39	1/2	841.95	1/2	478.06	1/2	114.09	1/2		1/2		1/2	
3/4	2,269.82	3/4	1,915.09	3/4	1,551.30	3/4	1,187.97	3/4	834.43	3/4	470.48	3/4	106.51	3/4		3/4		3/4	
6	2,262.30	6	1,907.54	6	1,543.73	6	1,180.55	6	826.90	6	462.89	6	98.93	6		6		6	
1/4	2,254.78	1/4	1,899.96	1/4	1,536.15	1/4	1,173.18	1/4	819.32	1/4	455.31	1/4	91.37	1/4		1/4		1/4	
1/2	2,247.27	1/2	1,892.38	1/2	1,528.57	1/2	1,165.81	1/2	811.74	1/2	447.73	1/2	83.80	1/2		1/2		1/2	
3/4	2,239.75	3/4	1,884.80	3/4	1,520.99	3/4	1,158.44	3/4	804.15	3/4	440.15	3/4	76.24	3/4		3/4		3/4	
7	2,232.24	7	1,877.22	7	1,513.41	7	1,151.07	7	796.57	7	432.57	7	68.68	7		7		7	
1/4	2,224.72	1/4	1,869.64	1/4	1,505.83	1/4	1,143.71	1/4	788.98	1/4	424.98	1/4	61.80	1/4		1/4		1/4	
1/2	2,217.21	1/2	1,862.06	1/2	1,498.25	1/2	1,136.35	1/2	781.40	1/2	417.40	1/2	54.93	1/2		1/2		1/2	
3/4	2,209.69	3/4	1,854.48	3/4	1,490.67	3/4	1,128.99	3/4	773.82	3/4	409.82	3/4	48.06	3/4		3/4		3/4	
8	2,202.18	8	1,846.90	8	1,483.09	8	1,121.63	8	766.23	8	402.24	8	41.18	8		8		8	
1/4	2,194.66	1/4	1,839.32	1/4	1,475.51	1/4	1,114.27	1/4	758.65	1/4	394.65	1/4	35.96	1/4		1/4		1/4	
1/2	2,187.15	1/2	1,831.74	1/2	1,467.93	1/2	1,106.91	1/2	751.07	1/2	387.07	1/2	30.74	1/2		1/2		1/2	
3/4	2,179.63	3/4	1,824.16	3/4	1,460.35	3/4	1,099.56	3/4	743.48	3/4	379.49	3/4	25.52	3/4		3/4		3/4	
9	2,172.12	9	1,816.58	9	1,452.77	9	1,092.20	9	735.90	9	371.91	9		9		9		9	
1/4	2,164.60	1/4	1,809.00	1/4	1,445.19	1/4	1,084.85	1/4	728.32	1/4	364.33	1/4		1/4		1/4		1/4	
1/2	2,157.09	1/2	1,801.43	1/2	1,437.61	1/2	1,077.50	1/2	720.73	1/2	356.74	1/2		1/2		1/2		1/2	
3/4	2,149.57	3/4	1,793.85	3/4	1,430.03	3/4	1,070.15	3/4	713.15	3/4	349.16	3/4		3/4		3/4		3/4	
10	2,142.06	10	1,786.27	10	1,422.46	10	1,062.79	10	705.57	10	341.58	10		10		10		10	
1/4	2,134.54	1/4	1,778.69	1/4	1,414.88	1/4	1,055.44	1/4	697.98	1/4	334.00	1/4		1/4		1/4		1/4	
1/2	2,127.03	1/2	1,771.11	1/2	1,407.30	1/2	1,048.09	1/2	690.40	1/2	326.41	1/2		1/2		1/2		1/2	
3/4	2,119.51	3/4	1,763.53	3/4	1,399.72	3/4	1,040.74	3/4	682.81	3/4	318.83	3/4		3/4		3/4		3/4	
11	2,112.00	11	1,755.95	11	1,392.14	11	1,033.40	11	675.23	11	311.25	11		11		11		11	
1/4	2,104.48	1/4	1,748.37	1/4	1,384.56	1/4	1,026.05	1/4	667.65	1/4	303.67	1/4		1/4		1/4		1/4	
1/2	2,096.97	1/2	1,740.79	1/2	1,376.98	1/2	1,018.70	1/2	660.06	1/2	296.09	1/2		1/2		1/2		1/2	
3/4	2,089.45	3/4	1,733.21	3/4	1,369.40	3/4	1,011.35	3/4	652.48	3/4	288.50	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 SW
RECALCULATED: 04/23/2019 SW
VERIFIED: 04/11/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 27728"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-9-1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,330.60	0	4,165.27	0	3,988.35	0	3,802.70	0	3,568.91	0	3,205.52	0	2,841.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,327.15	1/4	4,161.70	1/4	3,984.54	1/4	3,798.63	1/4	3,561.35	1/4	3,197.93	1/4	2,833.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,323.70	1/2	4,158.13	1/2	3,980.73	1/2	3,794.57	1/2	3,553.79	1/2	3,190.35	1/2	2,826.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,320.36	3/4	4,154.54	3/4	3,976.91	3/4	3,790.50	3/4	3,546.22	3/4	3,182.76	3/4	2,818.65		
1		1		1		1	4,317.02	1	4,150.96	1	3,973.08	1	3,786.43	1	3,538.66	1	3,175.18	1	2,811.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,313.68	1/4	4,147.37	1/4	3,969.26	1/4	3,782.36	1/4	3,531.10	1/4	3,167.60	1/4	2,803.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,310.35	1/2	4,143.78	1/2	3,965.43	1/2	3,778.29	1/2	3,523.53	1/2	3,160.01	1/2	2,795.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,306.99	3/4	4,140.18	3/4	3,961.58	3/4	3,774.22	3/4	3,515.97	3/4	3,152.43	3/4	2,788.30		
2		2		2		2	4,303.64	2	4,136.57	2	3,957.74	2	3,770.15	2	3,508.41	2	3,144.84	2	2,780.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,300.29	1/4	4,132.97	1/4	3,953.89	1/4	3,766.08	1/4	3,500.84	1/4	3,137.26	1/4	2,773.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,296.94	1/2	4,129.36	1/2	3,950.05	1/2	3,762.02	1/2	3,493.28	1/2	3,129.68	1/2	2,765.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,293.56	3/4	4,125.74	3/4	3,946.19	3/4	3,757.95	3/4	3,485.72	3/4	3,122.09	3/4	2,757.96		
3		3		3		3	4,290.19	3	4,122.12	3	3,942.32	3	3,753.88	3	3,478.15	3	3,114.51	3	2,750.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,286.81	1/4	4,118.49	1/4	3,938.46	1/4	3,749.81	1/4	3,470.59	1/4	3,106.92	1/4	2,742.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,283.44	1/2	4,114.87	1/2	3,934.60	1/2	3,745.74	1/2	3,463.03	1/2	3,099.34	1/2	2,735.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,280.05	3/4	4,111.23	3/4	3,930.73	3/4	3,741.67	3/4	3,455.46	3/4	3,091.75	3/4	2,727.61		
4		4		4		4	4,276.65	4	4,107.59	4	3,926.85	4	3,737.60	4	3,447.90	4	3,084.17	4	2,720.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,273.26	1/4	4,103.95	1/4	3,922.98	1/4	3,733.53	1/4	3,440.34	1/4	3,076.59	1/4	2,712.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,269.87	1/2	4,100.31	1/2	3,919.11	1/2	3,729.47	1/2	3,432.77	1/2	3,069.00	1/2	2,704.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,266.46	3/4	4,096.65	3/4	3,915.24	3/4	3,725.40	3/4	3,425.21	3/4	3,061.42	3/4	2,697.26		
5		5		5		5	4,263.05	5	4,092.99	5	3,911.36	5	3,721.33	5	3,417.65	5	3,053.83	5	2,689.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,259.64	1/4	4,089.33	1/4	3,907.49	1/4	3,717.26	1/4	3,410.08	1/4	3,046.25	1/4	2,682.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,256.22	1/2	4,085.67	1/2	3,903.61	1/2	3,713.19	1/2	3,402.52	1/2	3,038.67	1/2	2,674.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,252.80	3/4	4,081.99	3/4	3,899.74	3/4	3,709.12	3/4	3,394.96	3/4	3,031.08	3/4	2,666.91		
6		6		6		6	4,249.37	6	4,078.31	6	3,895.87	6	3,705.05	6	3,387.39	6	3,023.49	6	2,659.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,245.94	1/4	4,074.63	1/4	3,891.99	1/4	3,700.99	1/4	3,379.83	1/4	3,015.91	1/4	2,651.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,408.88	1/2	4,242.51	1/2	4,070.95	1/2	3,888.12	1/2	3,696.92	1/2	3,372.27	1/2	3,008.32	1/2	2,644.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,406.18	3/4	4,239.06	3/4	4,067.24	3/4	3,884.25	3/4	3,692.85	3/4	3,364.70	3/4	3,000.73	3/4	2,636.54
7		7		7		7	4,403.49	7	4,235.61	7	4,063.53	7	3,880.37	7	3,688.78	7	3,357.14	7	2,993.15	7	2,628.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,400.79	1/4	4,232.17	1/4	4,059.82	1/4	3,876.50	1/4	3,684.71	1/4	3,349.57	1/4	2,985.56	1/4	2,621.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,398.10	1/2	4,228.72	1/2	4,056.11	1/2	3,872.62	1/2	3,680.64	1/2	3,342.01	1/2	2,977.97	1/2	2,613.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,394.45	3/4	4,225.24	3/4	4,052.38	3/4	3,868.75	3/4	3,676.57	3/4	3,334.43	3/4	2,970.39	3/4	2,606.16
8		8		8		8	4,390.81	8	4,221.75	8	4,048.64	8	3,864.88	8	3,672.50	8	3,326.85	8	2,962.80	8	2,598.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,387.16	1/4	4,218.26	1/4	4,044.91	1/4	3,861.00	1/4	3,668.44	1/4	3,319.27	1/4	2,955.21	1/4	2,590.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,383.52	1/2	4,214.78	1/2	4,041.18	1/2	3,857.13	1/2	3,664.37	1/2	3,311.69	1/2	2,947.63	1/2	2,583.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,379.68	3/4	4,211.27	3/4	4,037.43	3/4	3,853.26	3/4	3,658.98	3/4	3,304.11	3/4	2,940.04	3/4	2,575.79
9		9		9		9	4,375.85	9	4,207.76	9	4,033.68	9	3,849.38	9	3,653.59	9	3,296.53	9	2,932.45	9	2,568.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,372.01	1/4	4,204.25	1/4	4,029.93	1/4	3,845.51	1/4	3,648.20	1/4	3,288.94	1/4	2,924.87	1/4	2,560.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,368.18	1/2	4,200.74	1/2	4,026.18	1/2	3,841.63	1/2	3,642.81	1/2	3,281.36	1/2	2,917.28	1/2	2,553.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,364.34	3/4	4,197.21	3/4	4,022.41	3/4	3,837.76	3/4	3,635.68	3/4	3,273.77	3/4	2,909.69	3/4	2,545.41
10		10		10		10	4,360.51	10	4,193.67	10	4,018.64	10	3,833.89	10	3,628.55	10	3,266.19	10	2,902.11	10	2,537.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,356.67	1/4	4,190.14	1/4	4,014.88	1/4	3,830.01	1/4	3,621.42	1/4	3,258.61	1/4	2,894.52	1/4	2,530.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,352.84	1/2	4,186.61	1/2	4,011.11	1/2	3,826.14	1/2	3,614.29	1/2	3,251.02	1/2	2,886.93	1/2	2,522.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,349.00	3/4	4,183.06	3/4	4,007.32	3/4	3,822.27	3/4	3,606.73	3/4	3,243.44	3/4	2,879.34	3/4	2,515.03
11		11		11		11	4,345.17	11	4,179.51	11	4,003.54	11	3,818.39	11	3,599.17	11	3,235.85	11	2,871.76	11	2,507.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,341.34	1/4	4,175.96	1/4	3,999.75	1/4	3,814.52	1/4	3,591.60	1/4	3,228.27	1/4	2,864.17	1/4	2,499.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,337.50	1/2	4,172.41	1/2	3,995.96	1/2	3,810.65	1/2	3,584.04	1/2	3,220.68	1/2	2,856.58	1/2	2,492.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,334.05	3/4	4,168.84	3/4	3,992.16	3/4	3,806.77	3/4	3,576.48	3/4	3,213.10	3/4	2,849.00	3/4	2,484.66

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27728"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 325"

GAUGE HEIGHT 16'-9-1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,477.06	0	2,112.55	0	1,754.15	0	1,389.57	0	1,025.18	0	660.96	0	296.38	0		0			
1/4	2,469.47	1/4	2,104.95	1/4	1,746.56	1/4	1,381.97	1/4	1,017.60	1/4	653.36	1/4	288.79	1/4		1/4			
1/2	2,461.88	1/2	2,097.36	1/2	1,738.96	1/2	1,374.38	1/2	1,010.02	1/2	645.77	1/2	281.19	1/2		1/2			
3/4	2,454.28	3/4	2,090.30	3/4	1,731.36	3/4	1,366.78	3/4	1,002.44	3/4	638.17	3/4	273.60	3/4		3/4			
1	2,446.69	1	2,083.25	1	1,723.77	1	1,359.19	1	994.86	1	630.57	1	266.00	1		1			
1/4	2,439.09	1/4	2,076.19	1/4	1,716.17	1/4	1,351.59	1/4	987.28	1/4	622.98	1/4	258.40	1/4		1/4			
1/2	2,431.50	1/2	2,069.14	1/2	1,708.58	1/2	1,343.99	1/2	979.70	1/2	615.38	1/2	250.81	1/2		1/2			
3/4	2,423.90	3/4	2,062.26	3/4	1,700.98	3/4	1,336.40	3/4	972.12	3/4	607.79	3/4	243.21	3/4		3/4			
2	2,416.31	2	2,055.39	2	1,693.39	2	1,328.80	2	964.54	2	600.19	2	235.62	2		2			
1/4	2,408.72	1/4	2,048.51	1/4	1,685.79	1/4	1,321.21	1/4	956.96	1/4	592.60	1/4	228.02	1/4		1/4			
1/2	2,401.12	1/2	2,041.64	1/2	1,678.20	1/2	1,313.61	1/2	949.38	1/2	585.00	1/2	220.43	1/2		1/2			
3/4	2,393.53	3/4	2,034.25	3/4	1,670.60	3/4	1,306.02	3/4	941.80	3/4	577.41	3/4	212.83	3/4		3/4			
3	2,385.93	3	2,026.86	3	1,663.01	3	1,298.42	3	934.22	3	569.81	3	205.24	3		3			
1/4	2,378.34	1/4	2,019.47	1/4	1,655.41	1/4	1,290.83	1/4	926.64	1/4	562.22	1/4	197.64	1/4		1/4			
1/2	2,370.75	1/2	2,012.08	1/2	1,647.81	1/2	1,283.23	1/2	919.06	1/2	554.62	1/2	190.05	1/2		1/2			
3/4	2,363.15	3/4	2,004.52	3/4	1,640.22	3/4	1,275.63	3/4	911.48	3/4	547.03	3/4	182.45	3/4		3/4			
4	2,355.56	4	1,996.96	4	1,632.62	4	1,268.04	4	903.90	4	539.43	4	174.86	4		4			
1/4	2,347.96	1/4	1,989.40	1/4	1,625.03	1/4	1,260.44	1/4	896.32	1/4	531.84	1/4	167.26	1/4		1/4			
1/2	2,340.37	1/2	1,981.84	1/2	1,617.43	1/2	1,252.85	1/2	888.74	1/2	524.24	1/2	159.67	1/2		1/2			
3/4	2,332.78	3/4	1,974.28	3/4	1,609.84	3/4	1,245.25	3/4	881.16	3/4	516.64	3/4	152.07	3/4		3/4			
5	2,325.18	5	1,966.72	5	1,602.24	5	1,237.66	5	873.58	5	509.05	5	144.48	5		5			
1/4	2,317.59	1/4	1,959.16	1/4	1,594.65	1/4	1,230.06	1/4	866.00	1/4	501.45	1/4	136.88	1/4		1/4			
1/2	2,309.99	1/2	1,951.60	1/2	1,587.05	1/2	1,222.47	1/2	858.42	1/2	493.86	1/2	129.29	1/2		1/2			
3/4	2,302.40	3/4	1,944.01	3/4	1,579.45	3/4	1,214.87	3/4	850.83	3/4	486.26	3/4	121.70	3/4		3/4			
6	2,294.81	6	1,936.43	6	1,571.86	6	1,207.28	6	843.24	6	478.67	6	114.12	6		6			
1/4	2,287.21	1/4	1,928.84	1/4	1,564.26	1/4	1,199.68	1/4	835.64	1/4	471.07	1/4	106.53	1/4		1/4			
1/2	2,279.62	1/2	1,921.25	1/2	1,556.67	1/2	1,192.08	1/2	828.05	1/2	463.48	1/2	98.94	1/2		1/2			
3/4	2,272.02	3/4	1,913.66	3/4	1,549.07	3/4	1,184.49	3/4	820.46	3/4	455.88	3/4	91.38	3/4		3/4			
7	2,264.43	7	1,906.06	7	1,541.48	7	1,176.89	7	812.86	7	448.29	7	83.81	7		7			
1/4	2,256.83	1/4	1,898.47	1/4	1,533.88	1/4	1,169.30	1/4	805.27	1/4	440.69	1/4	76.25	1/4		1/4			
1/2	2,249.24	1/2	1,890.87	1/2	1,526.29	1/2	1,161.70	1/2	797.67	1/2	433.10	1/2	68.68	1/2		1/2			
3/4	2,241.65	3/4	1,883.27	3/4	1,518.69	3/4	1,154.11	3/4	790.08	3/4	425.50	3/4	61.81	3/4		3/4			
8	2,234.05	8	1,875.68	8	1,511.10	8	1,146.52	8	782.48	8	417.91	8	54.94	8		8			
1/4	2,226.46	1/4	1,868.08	1/4	1,503.50	1/4	1,138.93	1/4	774.89	1/4	410.31	1/4	48.06	1/4		1/4			
1/2	2,218.86	1/2	1,860.49	1/2	1,495.90	1/2	1,131.34	1/2	767.29	1/2	402.72	1/2	41.19	1/2		1/2			
3/4	2,211.27	3/4	1,852.89	3/4	1,488.31	3/4	1,123.76	3/4	759.69	3/4	395.12	3/4	35.97	3/4		3/4			
9	2,203.68	9	1,845.30	9	1,480.71	9	1,116.17	9	752.10	9	387.52	9	30.75	9		9			
1/4	2,196.08	1/4	1,837.70	1/4	1,473.12	1/4	1,108.58	1/4	744.50	1/4	379.93	1/4	25.53	1/4		1/4			
1/2	2,188.49	1/2	1,830.11	1/2	1,465.52	1/2	1,100.99	1/2	736.91	1/2	372.33	1/2		1/2		1/2			
3/4	2,180.89	3/4	1,822.51	3/4	1,457.93	3/4	1,093.41	3/4	729.31	3/4	364.74	3/4		3/4		3/4			
10	2,173.30	10	1,814.92	10	1,450.33	10	1,085.83	10	721.72	10	357.14	10		10		10			
1/4	2,165.71	1/4	1,807.32	1/4	1,442.74	1/4	1,078.25	1/4	714.12	1/4	349.55	1/4		1/4		1/4			
1/2	2,158.11	1/2	1,799.72	1/2	1,435.14	1/2	1,070.66	1/2	706.53	1/2	341.95	1/2		1/2		1/2			
3/4	2,150.52	3/4	1,792.13	3/4	1,427.54	3/4	1,063.08	3/4	698.93	3/4	334.36	3/4		3/4		3/4			
11	2,142.92	11	1,784.53	11	1,419.95	11	1,055.50	11	691.34	11	326.76	11		11		11			
1/4	2,135.33	1/4	1,776.94	1/4	1,412.35	1/4	1,047.92	1/4	683.74	1/4	319.17	1/4		1/4		1/4			
1/2	2,127.74	1/2	1,769.34	1/2	1,404.76	1/2	1,040.34	1/2	676.15	1/2	311.57	1/2		1/2		1/2			
3/4	2,120.14	3/4	1,761.75	3/4	1,397.16	3/4	1,032.76	3/4	668.55	3/4	303.98	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2014 SW
RECALCULATED: 04/23/2019 SW
VERIFIED: 04/11/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 27728"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	785	0	1,571	0	2,356	0		0		0		0		0		0	
1/4	16	1/4	802	1/4	1,587	1/4	2,373	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	818	1/2	1,604	1/2	2,389	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	49	3/4	835	3/4	1,620	3/4	2,405	3/4		3/4		3/4		3/4		3/4		3/4	
1	65	1	851	1	1,636	1	2,422	1		1		1		1		1		1	
1/4	82	1/4	867	1/4	1,653	1/4	2,438	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	98	1/2	884	1/2	1,669	1/2	2,455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115	3/4	900	3/4	1,685	3/4	2,471	3/4		3/4		3/4		3/4		3/4		3/4	
2	131	2	916	2	1,702	2	2,487	2		2		2		2		2		2	
1/4	147	1/4	933	1/4	1,718	1/4	2,504	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	949	1/2	1,735	1/2	2,520	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	180	3/4	965	3/4	1,751	3/4	2,536	3/4		3/4		3/4		3/4		3/4		3/4	
3	196	3	982	3	1,767	3	2,553	3		3		3		3		3		3	
1/4	213	1/4	998	1/4	1,784	1/4	2,569	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	229	1/2	1,015	1/2	1,800	1/2	2,585	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	245	3/4	1,031	3/4	1,816	3/4	2,602	3/4		3/4		3/4		3/4		3/4		3/4	
4	262	4	1,047	4	1,833	4	2,618	4		4		4		4		4		4	
1/4	278	1/4	1,064	1/4	1,849	1/4	2,635	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	295	1/2	1,080	1/2	1,865	1/2	2,651	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	311	3/4	1,096	3/4	1,882	3/4	2,667	3/4		3/4		3/4		3/4		3/4		3/4	
5	327	5	1,113	5	1,898	5	2,684	5		5		5		5		5		5	
1/4	344	1/4	1,129	1/4	1,915	1/4	2,700	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	360	1/2	1,145	1/2	1,931	1/2	2,716	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	376	3/4	1,162	3/4	1,947	3/4	2,733	3/4		3/4		3/4		3/4		3/4		3/4	
6	393	6	1,178	6	1,964	6	2,749	6		6		6		6		6		6	
1/4	409	1/4	1,195	1/4	1,980	1/4	2,765	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	425	1/2	1,211	1/2	1,996	1/2	2,782	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	442	3/4	1,227	3/4	2,013	3/4	2,798	3/4		3/4		3/4		3/4		3/4		3/4	
7	458	7	1,244	7	2,029	7	2,815	7		7		7		7		7		7	
1/4	475	1/4	1,260	1/4	2,045	1/4	2,827	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	491	1/2	1,276	1/2	2,062	1/2	2,839	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	507	3/4	1,293	3/4	2,078	3/4	2,851	3/4		3/4		3/4		3/4		3/4		3/4	
8	524	8	1,309	8	2,095	8	2,864	8		8		8		8		8		8	
1/4	540	1/4	1,325	1/4	2,111	1/4	2,868	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	556	1/2	1,342	1/2	2,127	1/2	2,872	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	573	3/4	1,358	3/4	2,144	3/4	2,876	3/4		3/4		3/4		3/4		3/4		3/4	
9	589	9	1,375	9	2,160	9	2,880	9		9		9		9		9		9	
1/4	605	1/4	1,391	1/4	2,176	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	622	1/2	1,407	1/2	2,193	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	638	3/4	1,424	3/4	2,209	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	655	10	1,440	10	2,225	10		10		10		10		10		10		10	
1/4	671	1/4	1,456	1/4	2,242	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	687	1/2	1,473	1/2	2,258	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	704	3/4	1,489	3/4	2,275	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	720	11	1,505	11	2,291	11		11		11		11		11		11		11	
1/4	736	1/4	1,522	1/4	2,307	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	753	1/2	1,538	1/2	2,324	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	769	3/4	1,555	3/4	2,340	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

STRAPPED: 04/10/2024 JS
CALCULATED: 04/11/2024 CL
VERIFIED: 04/11/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27728"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	785	0	1,571	0	2,356	0		0		0		0		0		0	
1/4	16	1/4	802	1/4	1,587	1/4	2,373	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	818	1/2	1,604	1/2	2,389	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	49	3/4	835	3/4	1,620	3/4	2,405	3/4		3/4		3/4		3/4		3/4		3/4	
1	65	1	851	1	1,636	1	2,422	1		1		1		1		1		1	
1/4	82	1/4	867	1/4	1,653	1/4	2,438	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	98	1/2	884	1/2	1,669	1/2	2,455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115	3/4	900	3/4	1,685	3/4	2,471	3/4		3/4		3/4		3/4		3/4		3/4	
2	131	2	916	2	1,702	2	2,487	2		2		2		2		2		2	
1/4	147	1/4	933	1/4	1,718	1/4	2,504	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	949	1/2	1,735	1/2	2,520	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	180	3/4	965	3/4	1,751	3/4	2,536	3/4		3/4		3/4		3/4		3/4		3/4	
3	196	3	982	3	1,767	3	2,553	3		3		3		3		3		3	
1/4	213	1/4	998	1/4	1,784	1/4	2,569	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	229	1/2	1,015	1/2	1,800	1/2	2,585	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	245	3/4	1,031	3/4	1,816	3/4	2,602	3/4		3/4		3/4		3/4		3/4		3/4	
4	262	4	1,047	4	1,833	4	2,618	4		4		4		4		4		4	
1/4	278	1/4	1,064	1/4	1,849	1/4	2,635	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	295	1/2	1,080	1/2	1,865	1/2	2,651	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	311	3/4	1,096	3/4	1,882	3/4	2,667	3/4		3/4		3/4		3/4		3/4		3/4	
5	327	5	1,113	5	1,898	5	2,684	5		5		5		5		5		5	
1/4	344	1/4	1,129	1/4	1,915	1/4	2,700	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	360	1/2	1,145	1/2	1,931	1/2	2,716	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	376	3/4	1,162	3/4	1,947	3/4	2,733	3/4		3/4		3/4		3/4		3/4		3/4	
6	393	6	1,178	6	1,964	6	2,749	6		6		6		6		6		6	
1/4	409	1/4	1,195	1/4	1,980	1/4	2,765	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	425	1/2	1,211	1/2	1,996	1/2	2,782	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	442	3/4	1,227	3/4	2,013	3/4	2,798	3/4		3/4		3/4		3/4		3/4		3/4	
7	458	7	1,244	7	2,029	7	2,815	7		7		7		7		7		7	
1/4	475	1/4	1,260	1/4	2,045	1/4	2,827	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	491	1/2	1,276	1/2	2,062	1/2	2,839	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	507	3/4	1,293	3/4	2,078	3/4	2,851	3/4		3/4		3/4		3/4		3/4		3/4	
8	524	8	1,309	8	2,095	8	2,864	8		8		8		8		8		8	
1/4	540	1/4	1,325	1/4	2,111	1/4	2,868	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	556	1/2	1,342	1/2	2,127	1/2	2,872	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	573	3/4	1,358	3/4	2,144	3/4	2,876	3/4		3/4		3/4		3/4		3/4		3/4	
9	589	9	1,375	9	2,160	9	2,880	9		9		9		9		9		9	
1/4	605	1/4	1,391	1/4	2,176	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	622	1/2	1,407	1/2	2,193	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	638	3/4	1,424	3/4	2,209	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	655	10	1,440	10	2,225	10		10		10		10		10		10		10	
1/4	671	1/4	1,456	1/4	2,242	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	687	1/2	1,473	1/2	2,258	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	704	3/4	1,489	3/4	2,275	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	720	11	1,505	11	2,291	11		11		11		11		11		11		11	
1/4	736	1/4	1,522	1/4	2,307	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	753	1/2	1,538	1/2	2,324	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	769	3/4	1,555	3/4	2,340	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

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CALCULATED: 04/11/2024 CL
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PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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BARGE "KIRBY 27728"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,642	0	3,285	0	4,927	0	6,569	0	8,211	0	9,854	0		0		0	
1/4	34	1/4	1,677	1/4	3,319	1/4	4,961	1/4	6,603	1/4	8,246	1/4	9,888	1/4		1/4		1/4	
1/2	68	1/2	1,711	1/2	3,353	1/2	4,995	1/2	6,638	1/2	8,280	1/2	9,922	1/2		1/2		1/2	
3/4	103	3/4	1,745	3/4	3,387	3/4	5,030	3/4	6,672	3/4	8,314	3/4	9,956	3/4		3/4		3/4	
1	137	1	1,779	1	3,421	1	5,064	1	6,706	1	8,348	1	9,991	1		1		1	
1/4	171	1/4	1,813	1/4	3,456	1/4	5,098	1/4	6,740	1/4	8,383	1/4	10,025	1/4		1/4		1/4	
1/2	205	1/2	1,848	1/2	3,490	1/2	5,132	1/2	6,774	1/2	8,417	1/2	10,059	1/2		1/2		1/2	
3/4	240	3/4	1,882	3/4	3,524	3/4	5,166	3/4	6,809	3/4	8,451	3/4	10,093	3/4		3/4		3/4	
2	274	2	1,916	2	3,558	2	5,201	2	6,843	2	8,485	2	10,127	2		2		2	
1/4	308	1/4	1,950	1/4	3,593	1/4	5,235	1/4	6,877	1/4	8,519	1/4	10,162	1/4		1/4		1/4	
1/2	342	1/2	1,984	1/2	3,627	1/2	5,269	1/2	6,911	1/2	8,554	1/2	10,196	1/2		1/2		1/2	
3/4	376	3/4	2,019	3/4	3,661	3/4	5,303	3/4	6,946	3/4	8,588	3/4	10,230	3/4		3/4		3/4	
3	411	3	2,053	3	3,695	3	5,337	3	6,980	3	8,622	3	10,264	3		3		3	
1/4	445	1/4	2,087	1/4	3,729	1/4	5,372	1/4	7,014	1/4	8,656	1/4		1/4		1/4		1/4	
1/2	479	1/2	2,121	1/2	3,764	1/2	5,406	1/2	7,048	1/2	8,690	1/2		1/2		1/2		1/2	
3/4	513	3/4	2,156	3/4	3,798	3/4	5,440	3/4	7,082	3/4	8,725	3/4		3/4		3/4		3/4	
4	547	4	2,190	4	3,832	4	5,474	4	7,117	4	8,759	4		4		4		4	
1/4	582	1/4	2,224	1/4	3,866	1/4	5,509	1/4	7,151	1/4	8,793	1/4		1/4		1/4		1/4	
1/2	616	1/2	2,258	1/2	3,900	1/2	5,543	1/2	7,185	1/2	8,827	1/2		1/2		1/2		1/2	
3/4	650	3/4	2,292	3/4	3,935	3/4	5,577	3/4	7,219	3/4	8,862	3/4		3/4		3/4		3/4	
5	684	5	2,327	5	3,969	5	5,611	5	7,253	5	8,896	5		5		5		5	
1/4	719	1/4	2,361	1/4	4,003	1/4	5,645	1/4	7,288	1/4	8,930	1/4		1/4		1/4		1/4	
1/2	753	1/2	2,395	1/2	4,037	1/2	5,680	1/2	7,322	1/2	8,964	1/2		1/2		1/2		1/2	
3/4	787	3/4	2,429	3/4	4,072	3/4	5,714	3/4	7,356	3/4	8,998	3/4		3/4		3/4		3/4	
6	821	6	2,463	6	4,106	6	5,748	6	7,390	6	9,033	6		6		6		6	
1/4	855	1/4	2,498	1/4	4,140	1/4	5,782	1/4	7,425	1/4	9,067	1/4		1/4		1/4		1/4	
1/2	890	1/2	2,532	1/2	4,174	1/2	5,816	1/2	7,459	1/2	9,101	1/2		1/2		1/2		1/2	
3/4	924	3/4	2,566	3/4	4,208	3/4	5,851	3/4	7,493	3/4	9,135	3/4		3/4		3/4		3/4	
7	958	7	2,600	7	4,243	7	5,885	7	7,527	7	9,169	7		7		7		7	
1/4	992	1/4	2,635	1/4	4,277	1/4	5,919	1/4	7,561	1/4	9,204	1/4		1/4		1/4		1/4	
1/2	1,026	1/2	2,669	1/2	4,311	1/2	5,953	1/2	7,596	1/2	9,238	1/2		1/2		1/2		1/2	
3/4	1,061	3/4	2,703	3/4	4,345	3/4	5,988	3/4	7,630	3/4	9,272	3/4		3/4		3/4		3/4	
8	1,095	8	2,737	8	4,379	8	6,022	8	7,664	8	9,306	8		8		8		8	
1/4	1,129	1/4	2,771	1/4	4,414	1/4	6,056	1/4	7,698	1/4	9,341	1/4		1/4		1/4		1/4	
1/2	1,163	1/2	2,806	1/2	4,448	1/2	6,090	1/2	7,732	1/2	9,375	1/2		1/2		1/2		1/2	
3/4	1,198	3/4	2,840	3/4	4,482	3/4	6,124	3/4	7,767	3/4	9,409	3/4		3/4		3/4		3/4	
9	1,232	9	2,874	9	4,516	9	6,159	9	7,801	9	9,443	9		9		9		9	
1/4	1,266	1/4	2,908	1/4	4,551	1/4	6,193	1/4	7,835	1/4	9,477	1/4		1/4		1/4		1/4	
1/2	1,300	1/2	2,942	1/2	4,585	1/2	6,227	1/2	7,869	1/2	9,512	1/2		1/2		1/2		1/2	
3/4	1,334	3/4	2,977	3/4	4,619	3/4	6,261	3/4	7,904	3/4	9,546	3/4		3/4		3/4		3/4	
10	1,369	10	3,011	10	4,653	10	6,295	10	7,938	10	9,580	10		10		10		10	
1/4	1,403	1/4	3,045	1/4	4,687	1/4	6,330	1/4	7,972	1/4	9,614	1/4		1/4		1/4		1/4	
1/2	1,437	1/2	3,079	1/2	4,722	1/2	6,364	1/2	8,006	1/2	9,648	1/2		1/2		1/2		1/2	
3/4	1,471	3/4	3,114	3/4	4,756	3/4	6,398	3/4	8,040	3/4	9,683	3/4		3/4		3/4		3/4	
11	1,505	11	3,148	11	4,790	11	6,432	11	8,075	11	9,717	11		11		11		11	
1/4	1,540	1/4	3,182	1/4	4,824	1/4	6,467	1/4	8,109	1/4	9,751	1/4		1/4		1/4		1/4	
1/2	1,574	1/2	3,216	1/2	4,858	1/2	6,501	1/2	8,143	1/2	9,785	1/2		1/2		1/2		1/2	
3/4	1,608	3/4	3,250	3/4	4,893	3/4	6,535	3/4	8,177	3/4	9,820	3/4		3/4		3/4		3/4	

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